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Date: May 23, 2024

Ref: PEG-1155-93M-CN-HI-BOA-LET-ES-10430
Jean Marc Decloquement
Consortium Director
Blocks 277-278,2nd business sector,
Teseen st, Shaker Consultancy Building
New Cairo, Egypt.

Project: Engineering, Procurement and Construction of the New Administrative Capital Monorail and 6th October City Monorail (Contract 93/Metro).

Subject: Comments on shop drawings. // 93M-BOA-NAT-LOT-26126

References:

1. Hill's Letter ref. PEG-1155-93M-CN-HI-BOA-LET-JB-0164
2. Hill's Letter no- PEG-1155-93M-CN-HI-BOA-LET-JB-0205
3. Contractor's Transmittal ref. 93M-BOA-NAT-LOT-26126

Dear Sir,

We note that the below shop drawings (in the Annexure) were uploaded on Aconex with status "closed". We note that there are some comments within the drawings needed to be addressed before commencing the site work.

The comments on the shop drawings as per attached annexure.

The Contractor is advised to correct the above into the shop drawings before any issuance to his site staff.

The Contractor is hereby further notified that in any such eventuality of rework, dismantling of constructed structure on account of such omission on the part of Contractor, it will be to Contractor's account and we re-iterate that any deviations from the approved drawings will triggers withholding from the upcoming payments pursuant to Sub-Clause 14.6 (b) of Conditions of Contract.

For and on behalf of
Hill International (Africa) Ltd

Navendu Lad
Acting Project Director
Attachments:

1. Comments table.
2. Stamped Drawings listed in the attached "Comments table".

Initial /reviewed by: ES
Reply Required: (X) Yes ( ) No
Cc: NAT

DELIVERING THE INFRASTRUCTURE OF CHANGE

93M-BOA-NAT-LOT-26126

S.No.	Drawing NO	Comments
1	93M-0473-ACC-6OL01-DWG-30001-B	1- It is the contractor responsibility to ensure and revise all Dimensions and levels with the approved design drawings besides the coordination package before commencing any site Works. 2- the embedded length of anchors shall be provided.
2	93M-0473-ACC-6OL01-DWG-30002-B	approval is subject to approval of coordination package between multi-discipline
3	93M-0473-ACC-6OL01-DWG-30003-B	approval is subject to approval of coordination package between multi-discipline
4	93M-0473-ACC-6OL01-DWG-30004-B	approval is subject to approval of coordination package between multi-discipline
5	93M-0473-ACC-6OL01-DWG-30005-B	approval is subject to approval of coordination package between multi-discipline
6	93M-0473-ACC-6OL01-DWG-30006-B	approval is subject to approval of coordination package between multi-discipline
7	93M-0473-ACC-6OL01-DWG-30007-B	approval is subject to approval of coordination package between multi-discipline
8	93M-0473-ACC-6OL01-DWG-30008-B	approval is subject to approval of coordination package between multi-discipline
9	93M-0473-ACC-6OL01-DWG-30009-B	approval is subject to approval of coordination package between multi-discipline
10	93M-0473-ACC-6OL01-DWG-30010-B	approval is subject to approval of coordination package between multi-discipline
11	93M-0473-ACC-6OL01-DWG-30011-B	approval is subject to approval of coordination package between multi-discipline
12	93M-0473-ACC-6OL01-DWG-30012-B	approval is subject to approval of coordination package between multi-discipline
13	93M-0473-ACC-6OL01-DWG-30013-B	approval is subject to approval of coordination package between multi-discipline
14	93M-0473-ACC-6OL01-DWG-30014-B	approval is subject to approval of coordination package between multi-discipline
15	93M-0473-ACC-6OL01-DWG-30015-B	approval is subject to approval of coordination package between multi-discipline
16	93M-0473-ACC-6OL01-DWG-30016-B	approval is subject to approval of coordination package between multi-discipline
17	93M-0473-ACC-6OL01-DWG-30017-B	approval is subject to approval of coordination package between multi-discipline

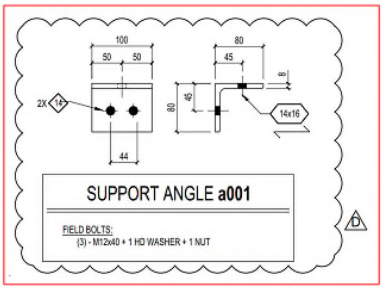
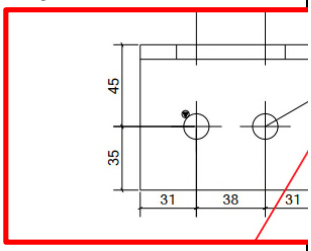
18	93M-0473-ACC-6OL01-DWG-30018-B	approval is subject to approval of coordination package between multi-discipline
19	93M-0473-ACC-6OL01-DWG-30019-B	approval is subject to approval of coordination package between multi-discipline
20	93M-0473-ACC-6OL01-DWG-30020-B	approval is subject to approval of coordination package between multi-discipline
21	93M-0473-ACC-6OL01-DWG-30021-B	approval is subject to approval of coordination package between multi-discipline
22	93M-0473-ACC-6OL01-DWG-30022-B	approval is subject to approval of coordination package between multi-discipline
23	93M-0473-ACC-6OL01-DWG-30023-B	-Approval is subject to approval of coordination package between multi-discipline
24	93M-0473-ACC-6OL01-DWG-30024-B	-Approval is subject to approval of coordination package between multi-discipline -For all the planks assemblies slots and holes size are missing
25	93M-0473-ACC-6OL01-DWG-30025-B	-Approval is subject to approval of coordination package between multi-discipline -For all the planks assemblies slots and holes size are missing
26	93M-0473-ACC-6OL01-DWG-30026-B	-Approval is subject to approval of coordination package between multi-discipline -For all the planks assemblies slots and holes size are missing
27	93M-0473-ACC-6OL01-DWG-30027-B	-Approval is subject to approval of coordination package between multi-discipline -For all the planks assemblies slots and holes size are missing
28	93M-0473-ACC-6OL01-DWG-30028-B	-Approval is subject to approval of coordination package between multi-discipline -For all the planks assemblies slots and holes size are missing
29	93M-0473-ACC-6OL01-DWG-30029-B	-Approval is subject to approval of coordination package between multi-discipline -For all the planks assemblies slots and holes size are missing
30	93M-0473-ACC-6OL01-DWG-30030-B	-Approval is subject to approval of coordination package between multi-discipline -For all the planks assemblies slots and holes size are missing
31	93M-0473-ACC-6OL01-DWG-30031-B	-Approval is subject to approval of coordination package between multi-discipline -For all the planks assemblies slots and holes size are missing
32	93M-0473-ACC-6OL01-DWG-30032-B	-Approval is subject to approval of coordination package between multi-discipline

		-For all the planks assemblies slots and holes size are missing
33	93M-0473-ACC-6OL01-DWG-30033-B	-Approval is subject to approval of coordination package between multi-discipline -For all the planks assemblies slots and holes size are missing
34	93M-0473-ACC-6OL01-DWG-30034-B	-Approval is subject to approval of coordination package between multi-discipline -For all the planks assemblies slots and holes size are missing
35	93M-0473-ACC-6OL01-DWG-30035-B	-Approval is subject to approval of coordination package between multi-discipline -For all the planks assemblies slots and holes size are missing
36	93M-0473-ACC-6OL01-DWG-30036-B	-Approval is subject to approval of coordination package between multi-discipline -For all the planks assemblies slots and holes size are missing
37	93M-0473-ACC-6OL01-DWG-30037-B	-Approval is subject to approval of coordination package between multi-discipline -For all the planks assemblies slots and holes size are missing
38	93M-0473-ACC-6OL01-DWG-30038-B	-Approval is subject to approval of coordination package between multi-discipline -For all the planks assemblies slots and holes size are missing
39	93M-0473-ACC-6OL01-DWG-30039-B	-Approval is subject to approval of coordination package between multi-discipline -For all the planks assemblies slots and holes size are missing
40	93M-0473-ACC-6OL01-DWG-30040-B	-Approval is subject to approval of coordination package between multi-discipline -For all the planks assemblies slots and holes size are missing
41	93M-0473-ACC-6OL01-DWG-30041-B	-Approval is subject to approval of coordination package between multi-discipline -For all the planks assemblies slots and holes size are missing
42	93M-0473-ACC-6OL01-DWG-30042-B	-Approval is subject to approval of coordination package between multi-discipline -For all the planks assemblies slots and holes size are missing
43	93M-0473-ACC-6OL01-DWG-30043-B	-Approval is subject to approval of coordination package between multi-discipline -For all the planks assemblies slots and holes size are missing

44	93M-0473-ACC-6OL01-DWG-30044-B	-Approval is subject to approval of coordination package between multi-discipline -For all the planks assemblies slots and holes size are missing
45	93M-0473-ACC-6OL01-DWG-30045-B	-Approval is subject to approval of coordination package between multi-discipline -For all the planks assemblies slots and holes size are missing
46	93M-0473-ACC-6OL01-DWG-30046-B	-Approval is subject to approval of coordination package between multi-discipline -For all the planks assemblies slots and holes size are missing
47	93M-0473-ACC-6OL01-DWG-30047-B	-Approval is subject to approval of coordination package between multi-discipline -For all the planks assemblies slots and holes size are missing
48	93M-0473-ACC-6OL01-DWG-30048-B	-Approval is subject to approval of coordination package between multi-discipline -For all the planks assemblies slots and holes size are missing
49	93M-0473-ACC-6OL01-DWG-30049-B	-Approval is subject to approval of coordination package between multi-discipline -For all the planks assemblies slots and holes size are missing
50	93M-0473-ACC-6OL01-DWG-30050-B	-Approval is subject to approval of coordination package between multi-discipline -For all the planks assemblies slots and holes size are missing
51	93M-0473-ACC-6OL01-DWG-30051-B	-Approval is subject to approval of coordination package between multi-discipline -For all the planks assemblies slots and holes size are missing
52	93M-0473-ACC-6OL01-DWG-30052-B	-Approval is subject to approval of coordination package between multi-discipline -For all the planks assemblies slots and holes size are missing
53	93M-0473-ACC-6OL01-DWG-30053-B	-Approval is subject to approval of coordination package between multi-discipline -For all the planks assemblies slots and holes size are missing
54	93M-0473-ACC-6OL01-DWG-30054-B	-Approval is subject to approval of coordination package between multi-discipline -For all the planks assemblies slots and holes size are missing
55	93M-0473-ACC-6OL01-DWG-30055-B	-Approval is subject to approval of coordination package between multi-discipline -For all the planks assemblies slots and holes size are

		missing
56	93M-0473-ACC-6OL01-DWG-30056-B	-Approval is subject to approval of coordination package between multi-discipline -For all the planks assemblies slots and holes size are missing
57	93M-0473-ACC-6OL01-DWG-30057-B	-Approval is subject to approval of coordination package between multi-discipline -For all the planks assemblies slots and holes size are missing
58	93M-0473-ACC-6OL01-DWG-30058-B	-Approval is subject to approval of coordination package between multi-discipline -For all the planks assemblies slots and holes size are missing
59	93M-0473-ACC-6OL01-DWG-30059-B	-Approval is subject to approval of coordination package between multi-discipline -For all the planks assemblies slots and holes size are missing
60	93M-0473-ACC-6OL01-DWG-30060-B	-Approval is subject to approval of coordination package between multi-discipline -For all the planks assemblies slots and holes size are missing
61	93M-0473-ACC-6OL01-DWG-30061-B	-Approval is subject to approval of coordination package between multi-discipline -For all the planks assemblies slots and holes size are missing
62	93M-0473-ACC-6OL01-DWG-30062-B	-Approval is subject to approval of coordination package between multi-discipline
63	93M-0473-ACC-6OL01-DWG-30063-B	-Approval is subject to approval of coordination package between multi-discipline
64	93M-0473-ACC-6OL01-DWG-30064-B	-Approval is subject to approval of coordination package between multi-discipline
65	93M-0473-ACC-6OL01-DWG-30065-B	-Approval is subject to approval of coordination package between multi-discipline
66	93M-0473-ACC-6OL01-DWG-30066-B	-Approval is subject to approval of coordination package between multi-discipline
67	93M-0473-ACC-6OL01-DWG-30067-B	-Approval is subject to approval of coordination package between multi-discipline
68	93M-0473-ACC-6OL01-DWG-30068-B	-Approval is subject to approval of coordination package between multi-discipline
69	93M-0473-ACC-6OL01-DWG-30069-B	-Approval is subject to approval of coordination package between multi-discipline
70	93M-0473-ACC-6OL01-DWG-30070-B	-Approval is subject to approval of coordination package between multi-discipline

71	93M-0473-ACC-6OL01-DWG-30071-B	-Approval is subject to approval of coordination package between multi-discipline
72	93M-0473-ACC-6OL01-DWG-30072-B	-Approval is subject to approval of coordination package between multi-discipline
73	93M-0473-ACC-6OL01-DWG-30073-B	-Approval is subject to approval of coordination package between multi-discipline
74	93M-0473-ACC-6OL01-DWG-30074-B	-Approval is subject to approval of coordination package between multi-discipline
75	93M-0473-ACC-6OL01-DWG-30075-B	-Approval is subject to approval of coordination package between multi-discipline
76	93M-0473-ACC-6OL01-DWG-30076-B	-Approval is subject to approval of coordination package between multi-discipline
77	93M-0473-ACC-6OL01-DWG-30077-B	-Approval is subject to approval of coordination package between multi-discipline
78	93M-0473-ACC-6OL01-DWG-30078-B	-Approval is subject to approval of coordination package between multi-discipline
79	93M-0473-ACC-6OL01-DWG-30079-B	-Approval is subject to approval of coordination package between multi-discipline
80	93M-0473-ACC-6OL01-DWG-30080-B	-Approval is subject to approval of coordination package between multi-discipline
81	93M-0473-ACC-6OL01-DWG-30081-B	-Approval is subject to approval of coordination package between multi-discipline
82	93M-0473-ACC-6OL01-DWG-30082-B	-Approval is subject to approval of coordination package between multi-discipline
83	93M-0473-ACC-6OL01-DWG-30083-B	-Approval is subject to approval of coordination package between multi-discipline
84	93M-0473-ACC-6OL01-DWG-30084-B	-Approval is subject to approval of coordination package between multi-discipline
85	93M-0473-ACC-6OL01-DWG-30085-B	-Approval is subject to approval of coordination package between multi-discipline
86	93M-0473-ACC-6OL01-DWG-30086-B	-Approval is subject to approval of coordination package between multi-discipline
87	93M-0473-ACC-6OL01-DWG-30087-B	-Approval is subject to approval of coordination package between multi-discipline
88	93M-0473-ACC-6OL01-DWG-30088-B	-Approval is subject to approval of coordination package between multi-discipline
89	93M-0473-ACC-6OL01-DWG-30089-B	-Approval is subject to approval of coordination package between multi-discipline
90	93M-0473-ACC-6OL01-DWG-30090-B	-Approval is subject to approval of coordination package between multi-discipline
91	93M-0473-ACC-6OL01-DWG-30091-B	-Approval is subject to approval of coordination package between multi-discipline
92	93M-0473-ACC-6OL01-DWG-30092-B	-Approval is subject to approval of coordination package between multi-discipline

93	93M-0473-ACC-6OL01-DWG-30093-B	-Approval is subject to approval of coordination package between multi-discipline
94	93M-0473-ACC-6OL01-DWG-30094-B	-Approval is subject to approval of coordination package between multi-discipline
95	93M-0473-ACC-6OL01-DWG-30095-B	-Approval is subject to approval of coordination package between multi-discipline
96	93M-0473-ACC-6OL01-DWG-30096-B	-Approval is subject to approval of coordination package between multi-discipline
97	93M-0473-ACC-6OL01-DWG-30097-B	-Approval is subject to approval of coordination package between multi-discipline -For all the planks assemblies slots and holes size are missing
98	93M-0473-ACC-6OL01-DWG-30098-B	-Approval is subject to approval of coordination package between multi-discipline Hole size is not matching with the design drawings as shown below as it should be slot 14x16  
99	93M-0473-ACC-6OL01-DWG-30099-B	-Approval is subject to approval of coordination package between multi-discipline
100	93M-0473-ACC-6OL01-DWG-30100-B	-Approval is subject to approval of coordination package between multi-discipline
101	93M-0473-ACC-6OL01-DWG-30101-B	-Approval is subject to approval of coordination package between multi-discipline
102	93M-0473-ACC-6OL01-DWG-30102-B	-Approval is subject to approval of coordination package between multi-discipline
103	93M-0473-ACC-6OL01-DWG-30103-B	-Approval is subject to approval of coordination package between multi-discipline
104	93M-0473-ACC-6OL01-DWG-30104-B	-Approval is subject to approval of coordination package between multi-discipline

105	93M-0473-ACC-6OL01-DWG-30105-B	-Approval is subject to approval of coordination package between multi-discipline
106	93M-0473-ACC-6OL01-DWG-30106-B	-Approval is subject to approval of coordination package between multi-discipline
107	93M-0473-ACC-6OL01-DWG-30107-B	-Approval is subject to approval of coordination package between multi-discipline
108	93M-0473-ACC-6OL01-DWG-30108-B	-Approval is subject to approval of coordination package between multi-discipline
109	93M-0473-ACC-6OL01-DWG-30109-B	-Approval is subject to approval of coordination package between multi-discipline
110	93M-0473-ACC-6OL01-DWG-30110-B	-Approval is subject to approval of coordination package between multi-discipline
111	93M-0473-ACC-6OL01-DWG-30111-B	-Approval is subject to approval of coordination package between multi-discipline
112	93M-0473-ACC-6OL01-DWG-30112-B	-Approval is subject to approval of coordination package between multi-discipline
113	93M-0473-ACC-6OL01-DWG-30113-B	-Approval is subject to approval of coordination package between multi-discipline
114	93M-0473-ACC-6OL01-DWG-30114-B	-Approval is subject to approval of coordination package between multi-discipline
115	93M-0473-ACC-6OL01-DWG-30115-B	-Approval is subject to approval of coordination package between multi-discipline
116	93M-0473-ACC-6OL01-DWG-30116-B	-Approval is subject to approval of coordination package between multi-discipline
117	93M-0473-ACC-6OL01-DWG-30117-B	-Approval is subject to approval of coordination package between multi-discipline
118	93M-0473-ACC-6OL01-DWG-30118-B	-Approval is subject to approval of coordination package between multi-discipline
119	93M-0473-ACC-6OL01-DWG-30119-B	-Approval is subject to approval of coordination package between multi-discipline
120	93M-0473-ACC-6OL01-DWG-30120-B	-Approval is subject to approval of coordination package between multi-discipline
121	93M-0473-ACC-6OL01-DWG-30121-B	-Approval is subject to approval of coordination package between multi-discipline
122	93M-0473-ACC-6OL01-DWG-30122-B	-Approval is subject to approval of coordination package between multi-discipline
123	93M-0473-ACC-6OL01-DWG-30123-B	-Approval is subject to approval of coordination package between multi-discipline
124	93M-0473-ACC-6OL01-DWG-30124-B	-Approval is subject to approval of coordination package between multi-discipline
125	93M-0473-ACC-6OL01-DWG-30125-B	-Approval is subject to approval of coordination package between multi-discipline
126	93M-0473-ACC-6OL01-DWG-30126-B	-Approval is subject to approval of coordination package between multi-discipline

127	93M-0473-ACC-6OL01-DWG-30127-B	-Approval is subject to approval of coordination package between multi-discipline
128	93M-0473-ACC-6OL01-DWG-30128-B	-Approval is subject to approval of coordination package between multi-discipline
129	93M-0473-ACC-6OL01-DWG-30129-B	-Approval is subject to approval of coordination package between multi-discipline
130	93M-0473-ACC-6OL01-DWG-30130-B	-Approval is subject to approval of coordination package between multi-discipline
131	93M-0473-ACC-6OL01-DWG-30131-B	-Approval is subject to approval of coordination package between multi-discipline
132	93M-0473-ACC-6OL01-DWG-30132-B	-Approval is subject to approval of coordination package between multi-discipline
133	93M-0473-ACC-6OL01-DWG-30133-B	-Approval is subject to approval of coordination package between multi-discipline
134	93M-0473-ACC-6OL01-DWG-30134-B	-Approval is subject to approval of coordination package between multi-discipline
135	93M-0473-ACC-6OL01-DWG-30135-B	-Approval is subject to approval of coordination package between multi-discipline
136	93M-0473-ACC-6OL01-DWG-30136-B	-Approval is subject to approval of coordination package between multi-discipline
137	93M-0473-ACC-6OL01-DWG-30137-B	-Approval is subject to approval of coordination package between multi-discipline
138	93M-0473-ACC-6OL01-DWG-30138-B	-Approval is subject to approval of coordination package between multi-discipline
139	93M-0473-ACC-6OL01-DWG-30139-B	-Approval is subject to approval of coordination package between multi-discipline
140	93M-0473-ACC-6OL01-DWG-30140-B	-Approval is subject to approval of coordination package between multi-discipline
141	93M-0473-ACC-6OL01-DWG-30141-B	-Approval is subject to approval of coordination package between multi-discipline
142	93M-0473-ACC-6OL01-DWG-30142-B	-Approval is subject to approval of coordination package between multi-discipline
143	93M-0473-ACC-6OL01-DWG-30143-B	-Approval is subject to approval of coordination package between multi-discipline
144	93M-0473-ACC-6OL01-DWG-30144-B	-Approval is subject to approval of coordination package between multi-discipline
145	93M-0473-ACC-6OL01-DWG-30145-B	-Approval is subject to approval of coordination package between multi-discipline
146	93M-0473-ACC-6OL01-DWG-30146-B	-Approval is subject to approval of coordination package between multi-discipline
147	93M-0473-ACC-6OL01-DWG-30147-B	-Approval is subject to approval of coordination package between multi-discipline
148	93M-0473-ACC-6OL01-DWG-30148-B	-Approval is subject to approval of coordination package between multi-discipline

149	93M-0473-ACC-6OL01-DWG-30149-B	-Approval is subject to approval of coordination package between multi-discipline
150	93M-0473-ACC-6OL01-DWG-30150-B	-Approval is subject to approval of coordination package between multi-discipline
151	93M-0473-ACC-6OL01-DWG-30151-B	-Approval is subject to approval of coordination package between multi-discipline
152	93M-0473-ACC-6OL01-DWG-30152-B	-Approval is subject to approval of coordination package between multi-discipline
153	93M-0473-ACC-6OL01-DWG-30153-B	-Approval is subject to approval of coordination package between multi-discipline
154	93M-0473-ACC-6OL01-DWG-30154-B	-Approval is subject to approval of coordination package between multi-discipline
155	93M-0473-ACC-6OL01-DWG-30155-B	-Approval is subject to approval of coordination package between multi-discipline
156	93M-0473-ACC-6OL01-DWG-30156-B	-Approval is subject to approval of coordination package between multi-discipline
157	93M-0473-ACC-6OL01-DWG-30157-B	-Approval is subject to approval of coordination package between multi-discipline
158	93M-0473-ACC-6OL01-DWG-30158-B	-Approval is subject to approval of coordination package between multi-discipline
159	93M-0473-ACC-6OL01-DWG-30159-B	-Approval is subject to approval of coordination package between multi-discipline
160	93M-0473-ACC-6OL01-DWG-30160-B	-Approval is subject to approval of coordination package between multi-discipline
161	93M-0473-ACC-6OL01-DWG-30161-B	-Approval is subject to approval of coordination package between multi-discipline
162	93M-0473-ACC-6OL01-DWG-30162-B	-Approval is subject to approval of coordination package between multi-discipline
163	93M-0473-ACC-6OL01-DWG-30163-B	-Approval is subject to approval of coordination package between multi-discipline
164	93M-0473-ACC-6OL01-DWG-30164-B	-Approval is subject to approval of coordination package between multi-discipline
165	93M-0473-ACC-6OL01-DWG-30165-B	-Approval is subject to approval of coordination package between multi-discipline
166	93M-0473-ACC-6OL01-DWG-30166-B	-Approval is subject to approval of coordination package between multi-discipline
167	93M-0473-ACC-6OL01-DWG-30167-B	-Approval is subject to approval of coordination package between multi-discipline
168	93M-0473-ACC-6OL01-DWG-30168-B	-Approval is subject to approval of coordination package between multi-discipline
169	93M-0473-ACC-6OL01-DWG-30169-B	-Approval is subject to approval of coordination package between multi-discipline
170	93M-0473-ACC-6OL01-DWG-30170-B	-Approval is subject to approval of coordination package between multi-discipline

171	93M-0473-ACC-6OL01-DWG-30171-B	-Approval is subject to approval of coordination package between multi-discipline
172	93M-0473-ACC-6OL01-DWG-30172-B	-Approval is subject to approval of coordination package between multi-discipline
173	93M-0473-ACC-6OL01-DWG-30173-B	-Approval is subject to approval of coordination package between multi-discipline
174	93M-0473-ACC-6OL01-DWG-30174-B	-Approval is subject to approval of coordination package between multi-discipline
175	93M-0473-ACC-6OL01-DWG-30175-B	-Approval is subject to approval of coordination package between multi-discipline
176	93M-0473-ACC-6OL01-DWG-30176-B	-Approval is subject to approval of coordination package between multi-discipline
177	93M-0473-ACC-6OL01-DWG-30177-B	-Approval is subject to approval of coordination package between multi-discipline
178	93M-0473-ACC-6OL01-DWG-30178-B	-Approval is subject to approval of coordination package between multi-discipline
179	93M-0473-ACC-6OL01-DWG-30179-B	-Approval is subject to approval of coordination package between multi-discipline
180	93M-0473-ACC-6OL01-DWG-30180-B	-Approval is subject to approval of coordination package between multi-discipline
181	93M-0473-ACC-6OL01-DWG-30181-B	-Approval is subject to approval of coordination package between multi-discipline
182	93M-0473-ACC-6OL01-DWG-30182-B	-Approval is subject to approval of coordination package between multi-discipline
183	93M-0473-ACC-6OL01-DWG-30183-B	-Approval is subject to approval of coordination package between multi-discipline
184	93M-0473-ACC-6OL01-DWG-30184-B	-Approval is subject to approval of coordination package between multi-discipline
185	93M-0473-ACC-6OL01-DWG-30185-B	-Approval is subject to approval of coordination package between multi-discipline
186	93M-0473-ACC-6OL01-DWG-30186-B	-Approval is subject to approval of coordination package between multi-discipline
187	93M-0473-ACC-6OL01-DWG-30187-B	-Approval is subject to approval of coordination package between multi-discipline
188	93M-0473-ACC-6OL01-DWG-30188-B	-Approval is subject to approval of coordination package between multi-discipline
189	93M-0473-ACC-6OL01-DWG-30189-B	-Approval is subject to approval of coordination package between multi-discipline
190	93M-0473-ACC-6OL01-DWG-30190-B	-Approval is subject to approval of coordination package between multi-discipline
191	93M-0473-ACC-6OL01-DWG-30191-B	-Approval is subject to approval of coordination package between multi-discipline
192	93M-0473-ACC-6OL01-DWG-30192-B	-Approval is subject to approval of coordination package between multi-discipline

193	93M-0473-ACC-6OL01-DWG-30193-B	-Approval is subject to approval of coordination package between multi-discipline
194	93M-0473-ACC-6OL01-DWG-30194-B	-Approval is subject to approval of coordination package between multi-discipline
195	93M-0473-ACC-6OL01-DWG-30195-B	-Approval is subject to approval of coordination package between multi-discipline
196	93M-0473-ACC-6OL01-DWG-30196-B	-Approval is subject to approval of coordination package between multi-discipline
197	93M-0473-ACC-6OL01-DWG-30197-B	-Approval is subject to approval of coordination package between multi-discipline
198	93M-0473-ACC-6OL01-DWG-30198-B	-Approval is subject to approval of coordination package between multi-discipline
199	93M-0473-ACC-6OL01-DWG-30199-B	-Approval is subject to approval of coordination package between multi-discipline
200	93M-0473-ACC-6OL01-DWG-30200-B	-Approval is subject to approval of coordination package between multi-discipline
201	93M-0473-ACC-6OL01-DWG-30201-B	-Approval is subject to approval of coordination package between multi-discipline
202	93M-0473-ACC-6OL01-DWG-30202-B	-Approval is subject to approval of coordination package between multi-discipline
203	93M-0473-ACC-6OL01-DWG-30203-B	-Approval is subject to approval of coordination package between multi-discipline
204	93M-0473-ACC-6OL01-DWG-30204-B	-Approval is subject to approval of coordination package between multi-discipline
205	93M-0473-ACC-6OL01-DWG-30205-A	-Approval is subject to approval of coordination package between multi-discipline

DOCUMENT NUMBER	Title	C.REV	Date	Status
93M-0473-ACC-6OL01-DWG-30001	COVER SHEET : 1/2	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30002	COVER SHEET : 2/2	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30003	ERECTION : 1/2	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30004	ERECTION : 2/2	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30005	Walk Way : General Info	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30006	Frames Single : Parts	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30007	BEAM : D478	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30008	BEAM : D473	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30009	BEAM : D468	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30010	BEAM : C463	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30011	BEAM : C458	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30012	BEAM : C453	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30013	BEAM : C448	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30014	BEAM : C443	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30015	BEAM : B443	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30016	BEAM : B438	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30017	BEAM : B433	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30018	BEAM : B428	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30019	BEAM : B423	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30020	BEAM : A418	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30021	BEAM : B448	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30022	BEAM : C468	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30023	BEAM : C473	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30162	BEAM : CWT_225	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30163	BEAM : CW_225	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30164	FRAME : F1T	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30165	FRAME : F1_TC	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30166	FRAME : F1_TL	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30167	FRAME : F3	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30168	FRAME : D_P1	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30169	FRAME : D_P1_TR	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30170	FRAME : D_P1_TC	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30171	FRAME : C_P1	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30172	FRAME : C_P1_TR	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30173	FRAME : C_P1_TC	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30174	FRAME : B_P1_TC	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30175	FRAME : B_P1_TR	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30176	FRAME : B_P1	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30177	FRAME : A_P1	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30178	HANDRAIL : HR-1	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30179	HANDRAIL : HR-2	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30180	HANDRAIL : HR-3	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30181	HANDRAIL : HR-4	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30182	HANDRAIL : HR1_D-2564	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30183	HANDRAIL : HR1_D-1514	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30184	HANDRAIL : HR1_D-2863	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30185	HANDRAIL : HR1_D-1516	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30186	HANDRAIL : HR1_D-2566	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30187	HANDRAIL : HR1_D-1530	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30188	HANDRAIL : HR1_D-2860	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30189	HANDRAIL : HR1_D-1949	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30190	HANDRAIL : HR1_D-1505	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30191	HANDRAIL : HR2	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30192	BEAM : PPB_175	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30193	PLATE : SP01	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30194	BRACING_T1 : T1	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30195	BRACING_T3 : T3	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30196	BRACING_T5 : T5	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30197	SUPPORT_ANGLE : a001	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30198	Washer_Plate : p004	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30199	PLATE : p003	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30200	Washer_Plate : p2000	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30201	PLATE : p1003	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30204	PLATE : p002	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30205	PLATE : p001	B	28.04.2024	IFI

1- It is the contractor responsibility to ensure and revise all Dimensions and levels with the approved design drawings besides the coordination package before commencing any site Works.
2- the embedded length of anchors shall be provided.

REVIEWED WITH COMMENT
MONORAILS PROJECT

This workshop drawings package is to be read in conjunction with the attachments in the folder of the workshop drawing no. (93M-0473-ACC-6OL01-DWG-30001-B) .

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
3	
4	
5	
6	
7	
8	
9	

6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Consultant: Hill International | Main Contractor: ORASCOM CONSTRUCTION, BOMBARDIER | Structural Designer: INNOVA TRANSPORTATION

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
COVER SHEET 1/21
LINE SEGMENT (L01) CANTILEVER

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	6OL01	DWG	30001	B

Tekla Structures

DOCUMENT NUMBER	Title	C.REV	Date	Status
93M-0473-ACC-6OL01-DWG-30024	W7-E4 : CHQ/60x15	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30025	W8-E3 : CHQ/45x15	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30026	W9-S2 : CHQ/60x7.5	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30027	W10-E2 : CHQ/45x15	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30028	W11-E3 : CHQ/60x15	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30029	W12-S1 : CHQ/60x7.5	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30030	W13-E4 : CHQ/60x15	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30031	W14-E3 : CHQ/45x15	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30032	W15-S2 : CHQ/60x7.5	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30033	W16-E2 : CHQ/45x15	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30034	W17-E1 : CHQ/60x15	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30035	W18-S1 : CHQ/60x7.5	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30036	W19-E4 : CHQ/60x15	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30037	W20-E3 : CHQ/45x15	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30038	W21-E1 : CHQ/60x15	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30039	W22-E2 : CHQ/45x15	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30040	W23-S1 : CHQ/60x7.5	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30041	W25-E4 : CHQ/60x15	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30042	W26-S2 : CHQ/60x7.5	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30043	W27-E1 : CHQ/60x15	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30044	W28-S1 : CHQ/60x7.5	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30045	W29-E4 : CHQ/60x15	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30046	W30-E3 : CHQ/45x15	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30047	W31-S2 : CHQ/60x7.5	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30048	W32-E2 : CHQ/45x15	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30049	W33-E1 : CHQ/60x15	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30050	W34-S1 : CHQ/60x7.5	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30051	W35-E4 : CHQ/60x15	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30052	W36-E3 : CHQ/45x15	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30053	W37-S2 : CHQ/60x7.5	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30054	W38-E2 : CHQ/45x15	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30055	W39-E1 : CHQ/60x15	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30056	W40-S1 : CHQ/60x7.5	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30057	W41-E4 : CHQ/60x15	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30058	W42-E3 : CHQ/45x15	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30059	W43-S2 : CHQ/60x7.5	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30060	W44-E2 : CHQ/45x15	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30061	W45-E1 : CHQ/60x15	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30062	W46-S1 : CHQ/60x7.5	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30063	W47-S2 : CHQ/60x7.5	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30064	W48-S1 : CHQ/60x7.5	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30065	W50-S2 : CHQ/60x7.5	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30066	W51-S1 : CHQ/60x7.5	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30067	W52-E3 : CHQ/60x15	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30068	W53-E2 : CHQ/60x15	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30069	W54-E1 : CHQ/60x15	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30070	W55-E3 : CHQ/60x15	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30071	W56-E2 : CHQ/60x15	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30072	W57-S2 : CHQ/60x7.5	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30073	W58-E1 : CHQ/60x15	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30074	W59-S1 : CHQ/60x7.5	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30075	W60-E3 : CHQ/60x15	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30076	W61-E2 : CHQ/60x15	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30077	W62-S2 : CHQ/60x7.5	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30078	W63-E1 : CHQ/60x15	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30079	W64-S1 : CHQ/60x7.5	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30080	W65-E3 : CHQ/60x15	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30081	W66-E2 : CHQ/60x15	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30082	W67-S2 : CHQ/60x7.5	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30083	W68-E1 : CHQ/60x15	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30084	W69-S1 : CHQ/60x7.5	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30085	W71-E2 : CHQ/30x15	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30086	W72-E2 : CHQ/30x15	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30087	W73-S2 : CHQ/60x7.5	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30088	W74-S1 : CHQ/60x7.5	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30089	W75-E3 : CHQ/60x15 S	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30090	W76-E2 : CHQ/30x15 S	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30091	W77-S2 : CHQ/60x7.5 S	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30092	W78-E1 : CHQ/60x15 S	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30093	W79-S1 : CHQ/60x7.5 S	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30094	W80-E2 : CHQ/60x15 S	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30095	W81-S2 : CHQ/60x7.5 S	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30096	W82-E1 : CHQ/60x15 S	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30097	W83-S1 : CHQ/60x7.5 S	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30098	W84-S2 : CHQ/60x7.5	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30099	W85-S1 : CHQ/60x7.5	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30100	W86-S2 : CHQ/60x7.5	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30101	W87-E3 : CHQ/60x15	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30102	W88-S2 : CHQ/60x7.5	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30103	W89-S1 : CHQ/60x7.5	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30104	W90-E3 : CHQ/60x15	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30105	W91-E2 : CHQ/30x15	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30106	W92-E1 : CHQ/60x15	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30107	W93-E3 : CHQ/60x15	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30108	W94-S2 : CHQ/60x7.5	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30109	W95-E2 : CHQ/30x15	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30110	W96-S1 : CHQ/60x7.5	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30111	W97-E3 : CHQ/60x15	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30112	W98-S2 : CHQ/60x7.5	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30113	W99-E2 : CHQ/30x15	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30114	W100-E1 : CHQ/60x15	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30115	W101-S1 : CHQ/60x7.5	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30116	W102-S2 : CHQ/60x7.5	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30117	W103-E2 : CHQ/30x15	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30118	W104-S1 : CHQ/60x7.5	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30119	W105-E2 : CHQ/60x15	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30120	W106-E1 : CHQ/60x15	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30121	W107-E1 : CHQ/L75x60/15	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30122	W108-E3 : CHQ/R75x60/15	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30123	W109-E3 : CHQ/R75x60/15	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30124	W110-E1 : CHQ/L75x60/15	B	28.04.2024	IFI
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93M-0473-ACC-6OL01-DWG-30127	W115-ST : CHQ/20x15	B	28.04.2024	IFI
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93M-0473-ACC-6OL01-DWG-30133	W121-ST : CHQ/20x15	B	28.04.2024	IFI
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93M-0473-ACC-6OL01-DWG-30138	W126-ST : CHQ/20x15	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30139	W127-ST : CHQ/20x15	B	28.04.2024	IFI
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93M-0473-ACC-6OL01-DWG-30142	W130-ST : CHQ/20x15	B	28.04.2024	IFI
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93M-0473-ACC-6OL01-DWG-30146	W134-ST : CHQ/20x15	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30147	W135-S1 : CHQ/60x7.5	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30148	W136-ST : CHQ/20x15	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30149	W137-ST : CHQ/20x15	B	28.04.2024	IFI
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93M-0473-ACC-6OL01-DWG-30151	W139-ST : CHQ/20x15	B	28.04.2024	IFI
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93M-0473-ACC-6OL01-DWG-30155	W143-S2 : CHQ/60x7.5	B	28.04.2024	IFI
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93M-0473-ACC-6OL01-DWG-30158	W146-E3 : CHQ/60x15	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30159	W147-E2 : CHQ/30x15	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30160	W148-E3 : CHQ/R75x60/15	B	28.04.2024	IFI
93M-0473-ACC-6OL01-DWG-30161	W149-E1 : CHQ/L75x60/15	B	28.04.2024	IFI

approval is subject to approval of coordination package between multi-discipline

REVIEWED WITH COMMENT
MONORAILS PROJECT

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Consultant: Hill International | Main Contractor: ORASCOM CONSTRUCTION / BOMBARDIER | Structural Designer: INNOVA TRANSPORTATION

KEY PLAN:

6 October Monorail
Engineering Unit
Valid For Construction

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV.	DATE	DSG.	CHK.	APP.	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
COVER SHEET 2/22
LINE SEGMENT (L01) CANTILEVER

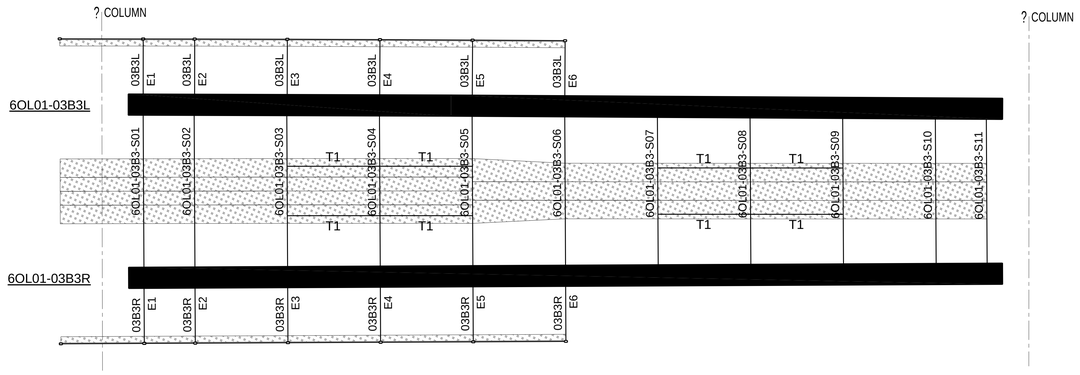
Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30002	B

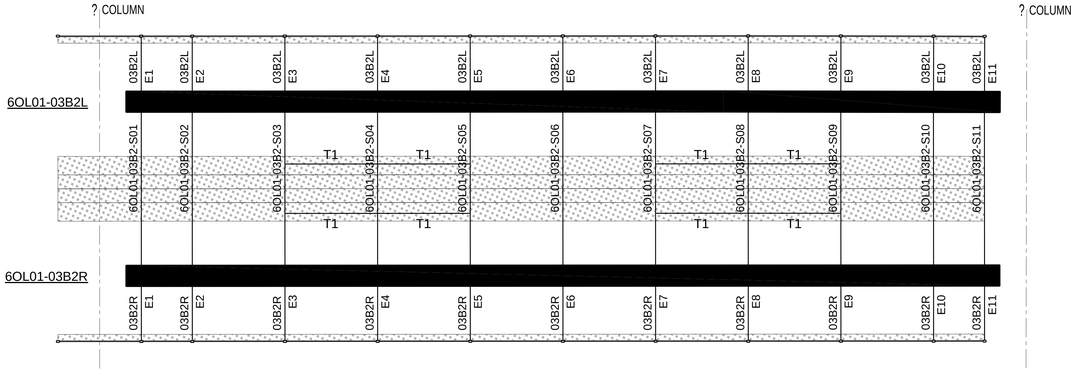
Tekla Structures

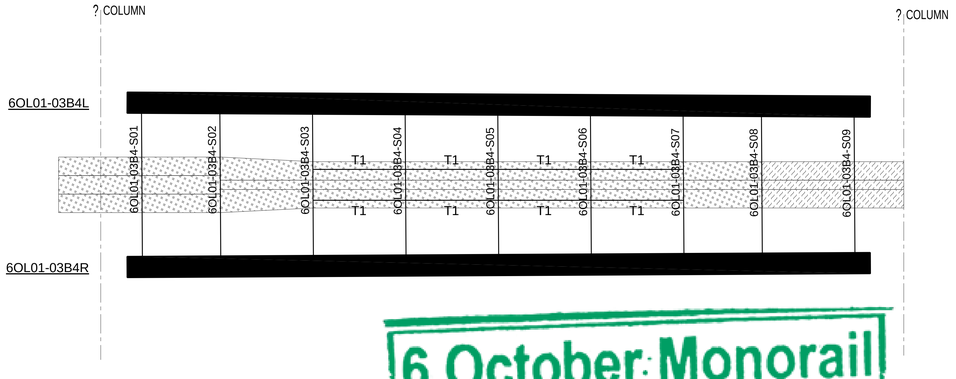
DOCUMENT NUMBER	Title	C.REV	Date	Status

approval is subject to approval of coordination package between multi-discipline

REVIEWED WITH COMMENT
MONORAILS PROJECT







6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
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REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Consultant: Hill International | Main Contractor: ORASCOM CONSTRUCTION / BOMBARDIER | Structural Designer: INNOVA TRANSPORTATION

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
Erection-01
LINE SEGMENT (L01) CANTILEVER

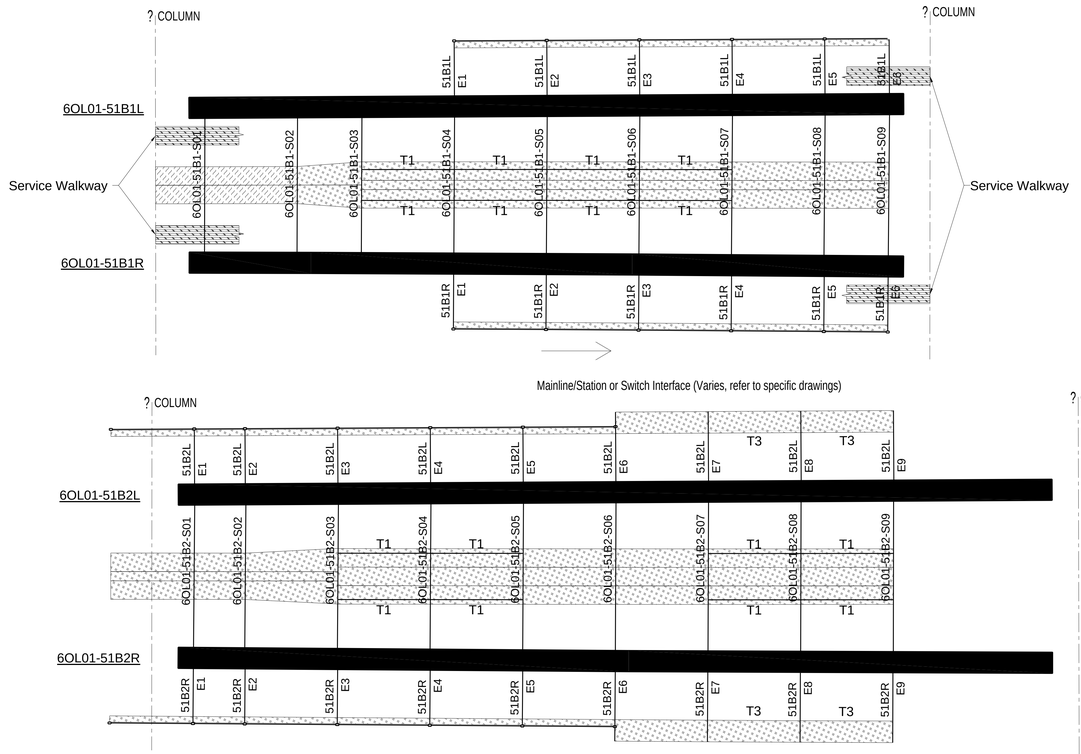
Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	047	3ACC	60L01	DWG	30003	B

Tekla Structures

DOCUMENT NUMBER	Title	C.REV	Date	Status

approval is subject to approval of coordination package between multi-discipline

REVIEWED WITH COMMENT
MONORAILS PROJECT



GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Consultant: Hill International | Main Contractor: ORASCOM CONSTRUCTION, BOMBARDIER | Structural Designer: INNOVA TRANSPORTATION

KEY PLAN:

6 October Monorail
Engineering Unit
Valid For Construction

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV.	DATE	DSG.	CHK.	APP.	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
Erection-02
LINE SEGMENT (L01) CANTILEVER

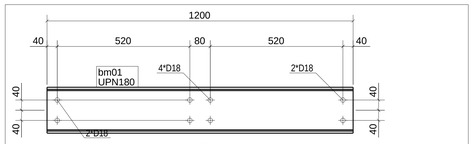
Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	047	3ACC	60L01	DWG	30004	B

Tekla Structures

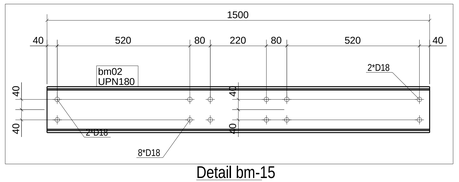
DOCUMENT NUMBER	Title	C.REV	Date	Status

approval is subject to approval of coordination package between multi-discipline

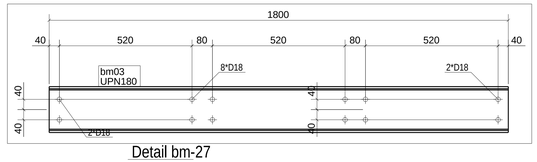
REVIEWED WITH COMMENT MONORAILS PROJECT



Detail bm-7



Detail bm-15



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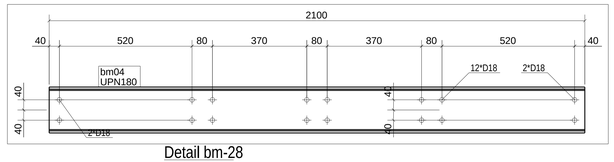

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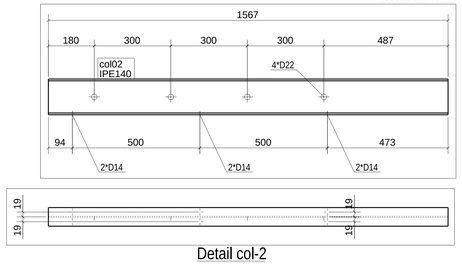
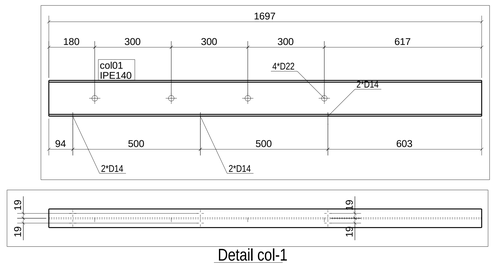


Detail col-2



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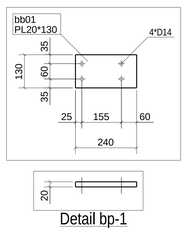

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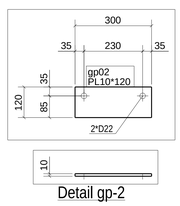

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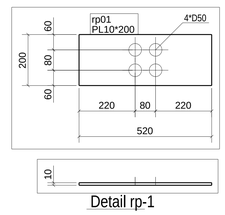
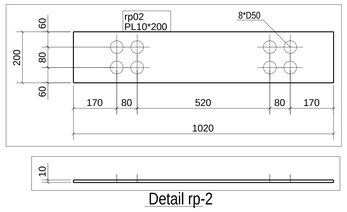
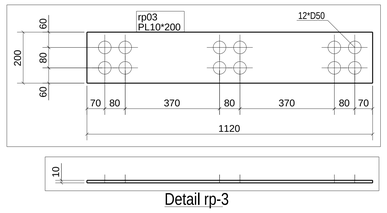


Detail rp-1



Detail rp-2



Detail rp-3

6 October Monorail
Engineering Unit
Valid For Construction

Tekla Structures

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Consultant: Hill International | Main Contractor: ORASCOM CONSTRUCTION, Six Construct, BOMBARDIER | Structural Designer: INNOVA TRANSPORTATION

KEY PLAN:

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

SCALE: AS SHOWN | SHOPDRAWING | DATE: 23.04.2014

DRAWING TITLE
6TH OF OCTOBER MONORAIL
Frames Single Parts
LINE SEGMENT (L01) CANTILEVER

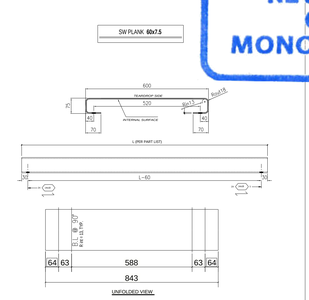
Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	047	3ACC	60L01	DWG	30005	B

DOCUMENT NUMBER	Title	C.REV	Date	Status

approval is subject to approval of coordination package between multi-discipline

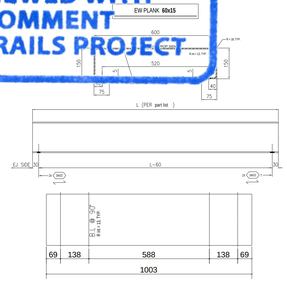
REVIEWED WITH COMMENT
MONORAILS PROJECT

SW PLANK **60x7.5**



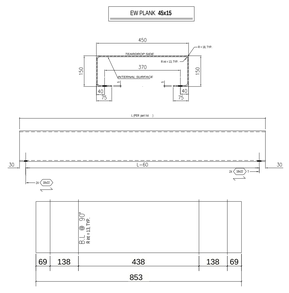
UNFOLDED VIEW.

EW PLANK **60x15**



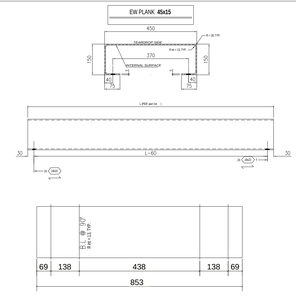
UNFOLDED VIEW.

EW PLANK **45x15**



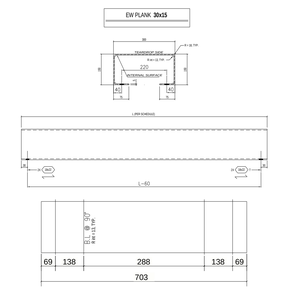
UNFOLDED VIEW.

EW PLANK **45x15**



UNFOLDED VIEW.

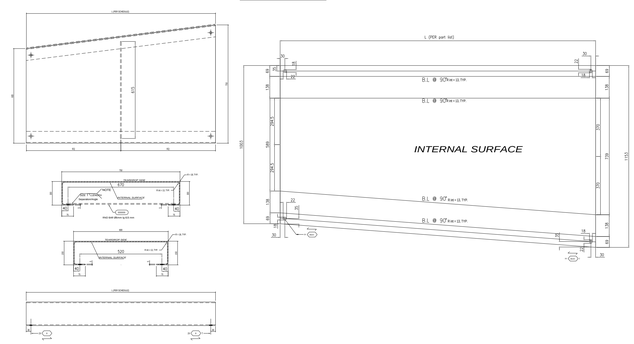
EW PLANK **30x15**



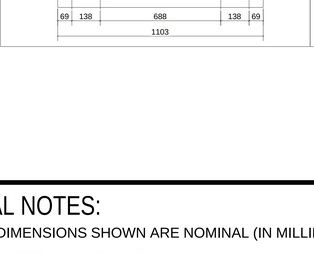
UNFOLDED VIEW.

EW RIGHT TRANSITION PLANK R75x60/15

DRAWN PLANK R75x60/15

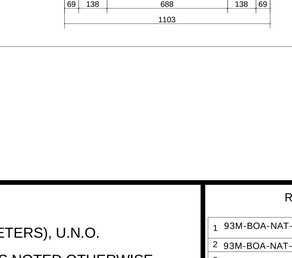


SW PLANK **60x7.5 S**



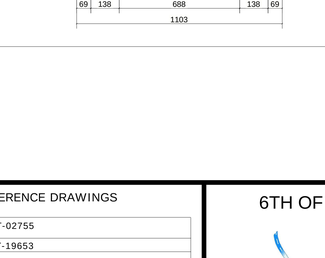
UNFOLDED VIEW.

EW PLANK **60x15 S**

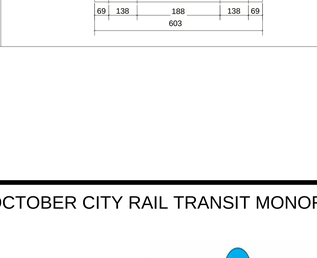


UNFOLDED VIEW.

EW REINFORCED PLANK **45x15 R**

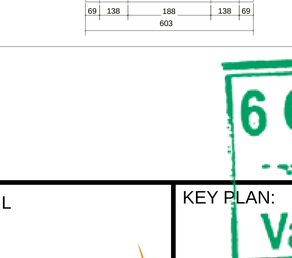


EW CANTILEVERED PLANK **45x15 S**



UNFOLDED VIEW.

EW CANTILEVERED PLANK **30x15 S**



UNFOLDED VIEW.

EW LEFT TRANSITION PLANK L75x60/15

DRAWN PLANK L75x60/15

EW PLANK **60x15 R**

UNFOLDED VIEW.

EW REINFORCED PLANK **45x15 R**

UNFOLDED VIEW.

EW REINFORCED PLANK **30x15 R**

UNFOLDED VIEW.

EW PLANK **70x15 R**

EW PLANK **70x15 s**

EW PLANK **70x15**

STEPPING PLANK **20x15 S**

STEPPING PLANK **20x15**

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
3	
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority — Consultant — Main Contractor — Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
Walk Way General Info
LINE SEGMENT (L01) CANTILEVER

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	047	3ACC	60L01	DWG	30006	B

Tekla Structures

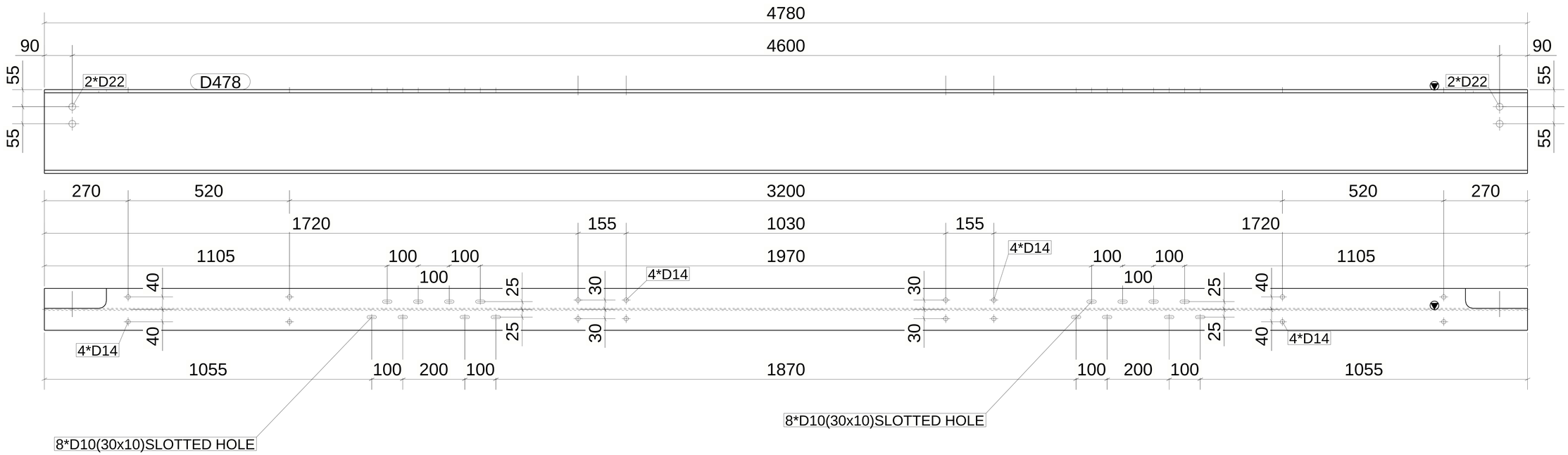
QTY.	Mark
1	01-03B2-S01
1	01-03B2-S02
1	01-03B2-S03
1	01-03B2-S04
1	01-03B2-S05
1	01-03B2-S06
1	01-03B2-S07
1	01-03B2-S08
1	01-03B2-S09
1	01-03B2-S10
1	01-03B2-S11
1	01-03B3-S01
1	01-03B3-S02

approval is subject to approval of coordination package between multi-discipline

REVIEWED WITH COMMENT MONORAILS PROJECT

MATERIAL LIST FOR ASSEMBLY MK'D D478

Mark	Profile	GRADE	No.	Length	Area	Weight
D478	IPE270	S355JR	1	4780	4.98	172.23
				Total	4.98	172.23



13 *REQUIRED AS DRAWN MARKED* D478

6 October Monorail Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Hill International Consultant | ORASCOM BOMBARDIER Main Contractor | INNOVA Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
BEAM : B-1

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30007	B

Tekla Structures

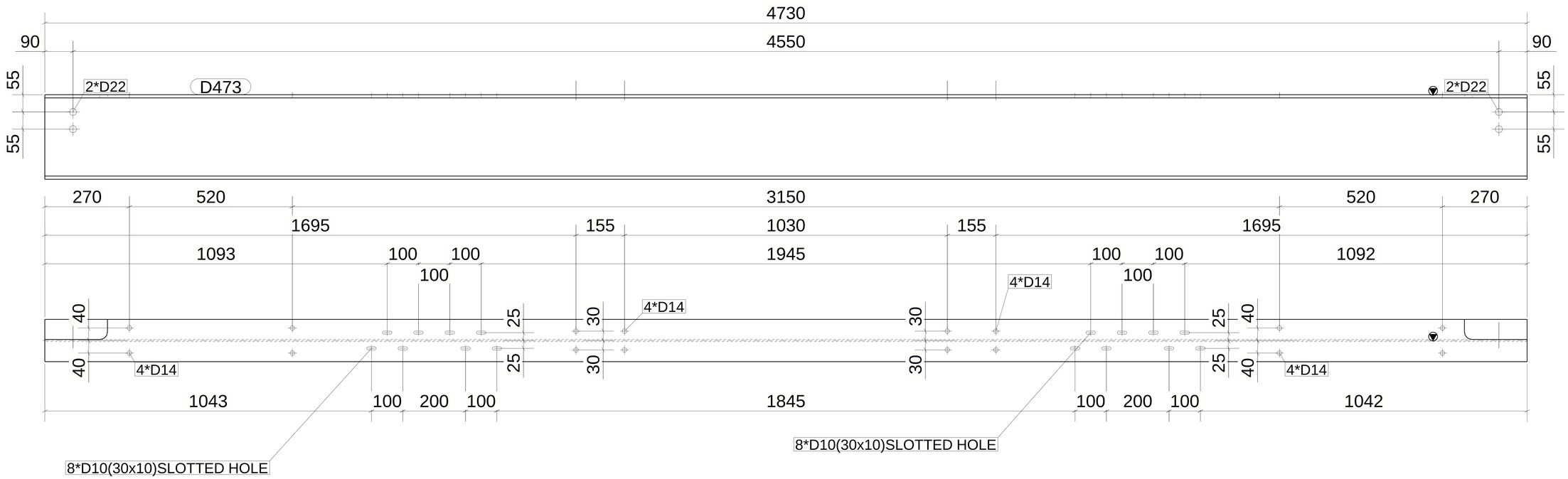
QTY.	Mark
1	01-03B3-S03
1	01-03B3-S04

MATERIAL LIST FOR ASSEMBLY MK'D D473

Mark	Profile	GRADE	No.	Length	Area	Weight
D473	IPE270	S355JR	1	4730	4.92	170.43
				Total	4.92	170.43

approval is subject to approval of coordination package between multi-discipline

REVIEWED WITH COMMENT MONORAILS PROJECT



2 *REQUIRED AS DRAWN MARKED* D473

6 October Monorail Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Hill International Consultant | ORASCOM BOMBARDIER Main Contractor | INNOVA TRANSPORTATION Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
BEAM : B-2

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30008	B

Tekla Structures

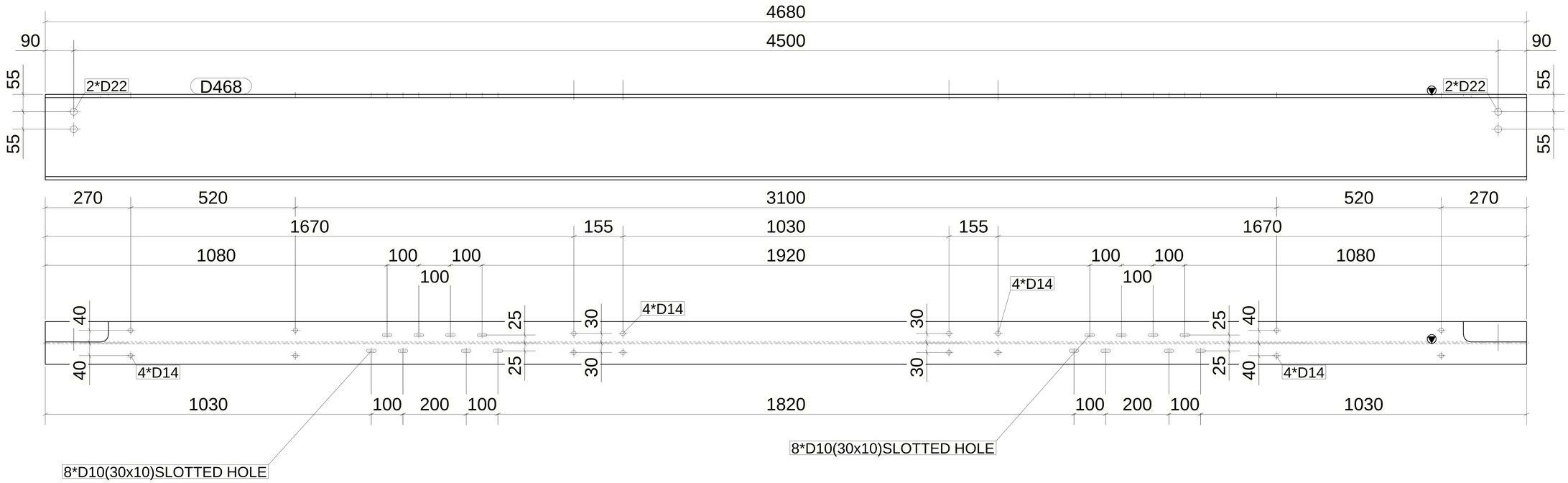
QTY.	Mark
1	01-03B3-S05

MATERIAL LIST FOR ASSEMBLY MK'D D468

Mark	Profile	GRADE	No.	Length	Area	Weight
D468	IPE270	S355JR	1	4680	4.87	168.63
				Total	4.87	168.63

approval is subject to approval of coordination package between multi-discipline

REVIEWED WITH COMMENT MONORAILS PROJECT



1 *REQUIRED AS DRAWN MARKED* D468

6 October Monorail Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Hill International Consultant | ORASCOM BOMBARDIER Main Contractor | INNOVA TRANSPORTATION Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
BEAM : B-3

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30009	B

Tekla Structures

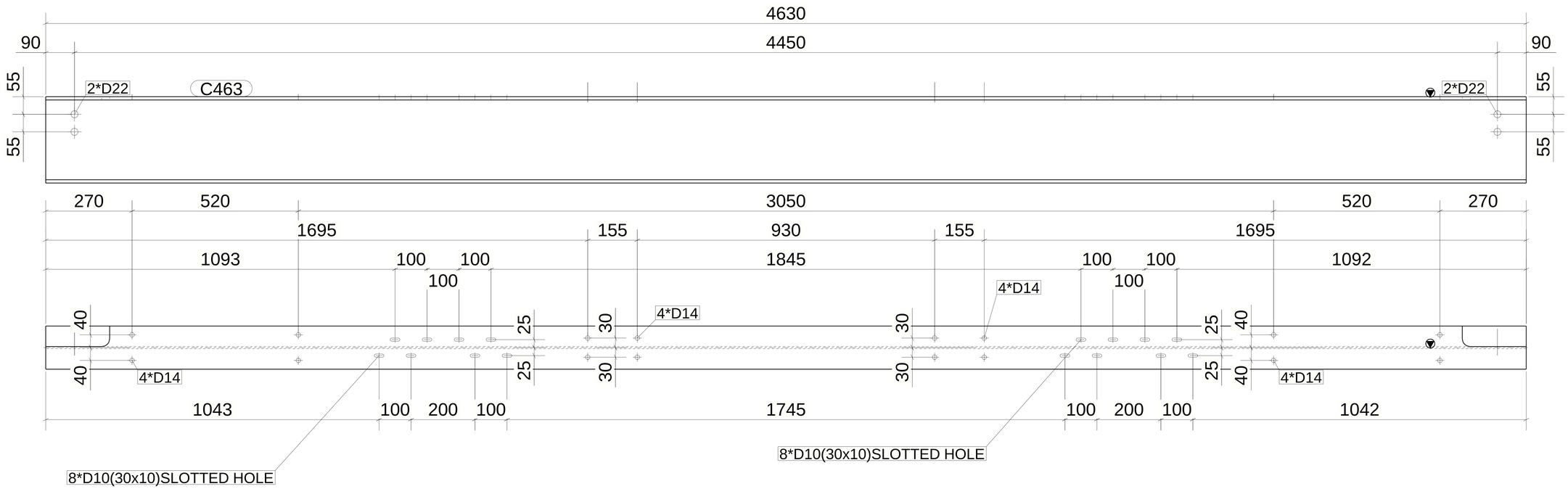
QTY.	Mark
1	01-03B3-S06
1	01-03B3-S07
1	01-51B2-S06

approval is subject to approval of coordination package between multi-discipline

REVIEWED WITH COMMENT MONORAILS PROJECT

MATERIAL LIST FOR ASSEMBLY MK'D C463

Mark	Profile	GRADE	No.	Length	Area	Weight
C463	IPE270	S355JR	1	4630	4.82	166.83
				Total	4.82	166.83



3 *REQUIRED AS DRAWN MARKED* C463

6 October Monorail Engineering Unit Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Hill International Consultant | ORASCOM BOMBARDIER Main Contractor | INNOVA Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE

6TH OF OCTOBER MONORAIL

SHOP DRAWING FOR LINE SEGMENT (L01)

CANTILEVER

BEAM : B-4

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30010	B

Tekla Structures

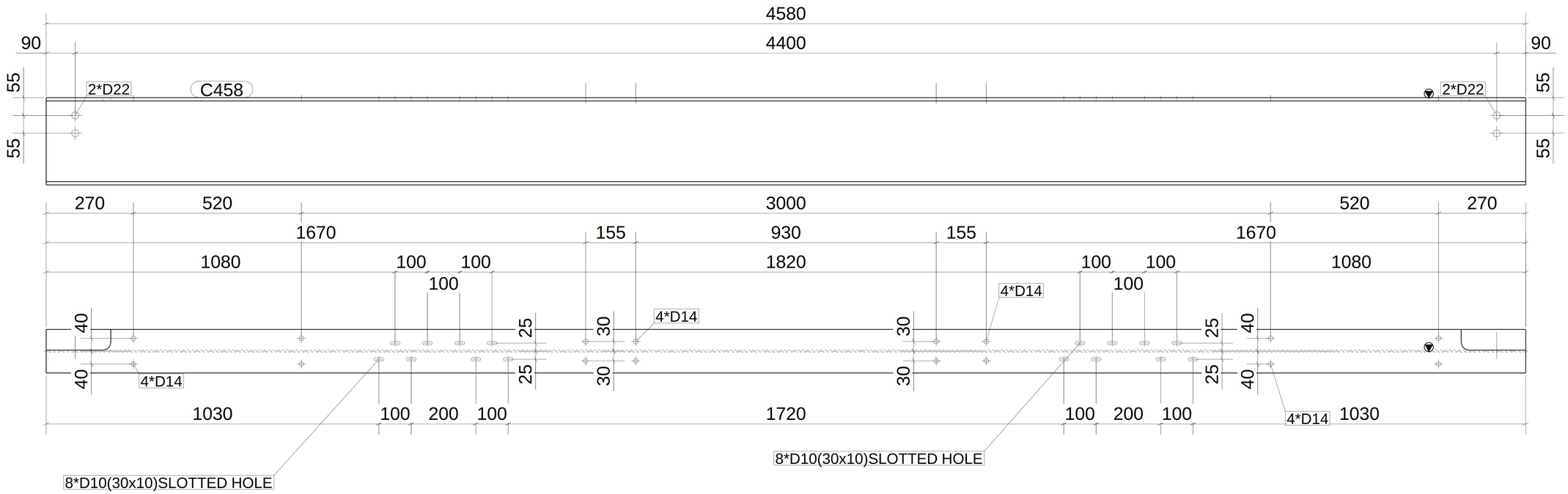
QTY.	Mark
1	01-03B3-S08
1	01-03B3-S09
1	01-51B2-S05

approval is subject to approval of coordination package between multi-discipline

REVIEWED WITH COMMENT MONORAILS PROJECT

MATERIAL LIST FOR ASSEMBLY MK'D C458

Mark	Profile	GRADE	No.	Length	Area	Weight
C458	IPE270	S355JR	1	4580	4.77	165.02
				Total	4.77	165.02



3 *REQUIRED AS DRAWN MARKED* C458

6 October Monorail Engineering Unit Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Hill International Consultant | ORASCOM BOMBARDIER Main Contractor | INNOVA Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
BEAM : B-5

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30011	B

Tekla Structures

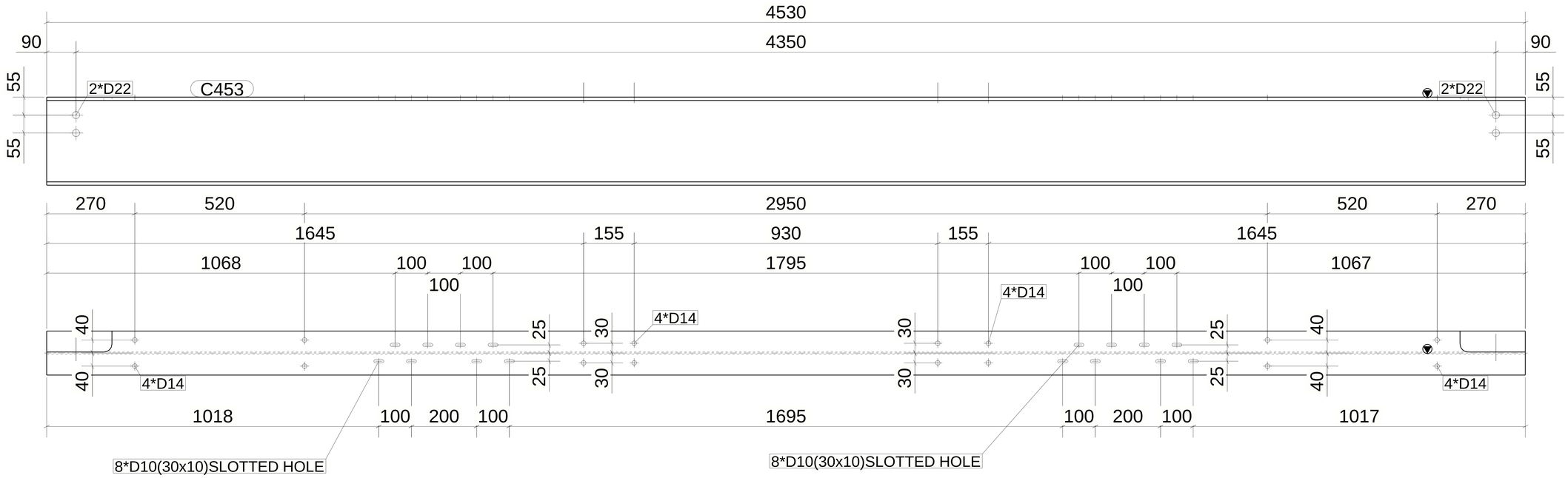
QTY.	Mark
1	01-03B3-S10
1	01-03B3-S11
1	01-51B2-S03
1	01-51B2-S04

approval is subject to approval of coordination package between multi-discipline

REVIEWED WITH COMMENT MONORAILS PROJECT

MATERIAL LIST FOR ASSEMBLY MK'D C453

Mark	Profile	GRADE	No.	Length	Area	Weight
C453	IPE270	S355JR	1	4530	4.72	163.22
				Total	4.72	163.22



4 *REQUIRED AS DRAWN MARKED* C453

6 October Monorail Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Hill International Consultant | ORASCOM BOMBARDIER Main Contractor | INNOVA Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
BEAM : B-6

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30012	B

Tekla Structures

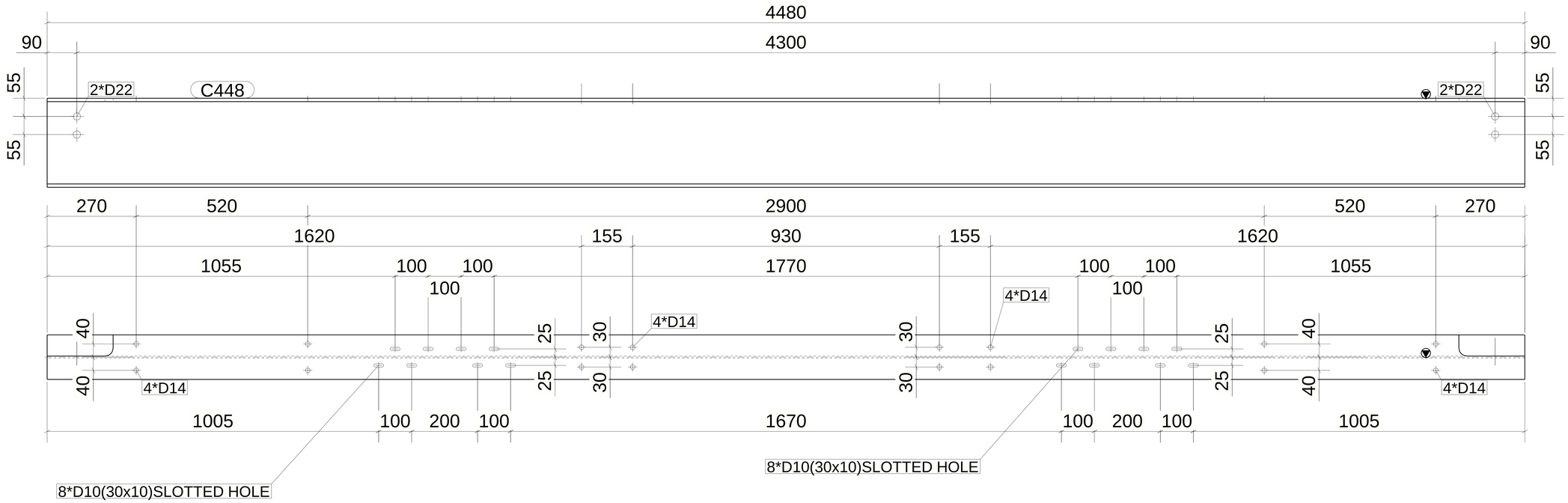
QTY.	Mark
1	01-03B4-S01

MATERIAL LIST FOR ASSEMBLY MK'D C448

Mark	Profile	GRADE	No.	Length	Area	Weight
C448	IPE270	S355JR	1	4480	4.66	161.42
				Total	4.66	161.42

approval is subject to approval of coordination package between multi-discipline

REVIEWED WITH COMMENT MONORAILS PROJECT



1 *REQUIRED AS DRAWN MARKED* C448

6 October Monorail Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority — Hill International Consultant — ORASCOM BOMBARDIER Main Contractor — INNOVA TRANSPORTATION Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
BEAM : B-7

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
9 3 M	0 4 7 3	A C C	6 0 L 0 1	D W G	3 0 0 1 3	B

Tekla Structures

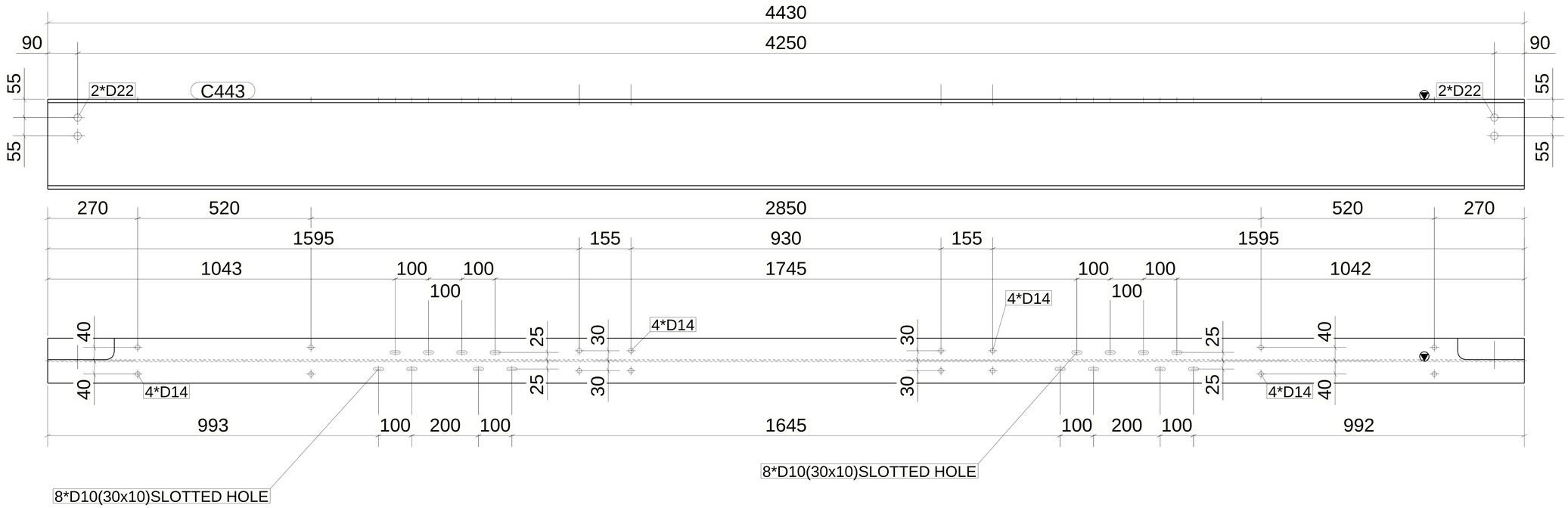
QTY.	Mark
1	01-03B4-S02

approval is subject to approval of coordination package between multi-discipline

REVIEWED WITH COMMENT
MONORAILS PROJECT

MATERIAL LIST FOR ASSEMBLY MK'DC443

Mark	Profile	GRADE	No.	Length	Area	Weight
C443	IPE270	S355JR	1	4430	4.61	159.62
				Total	4.61	159.62



1 *REQUIRED AS DRAWN MARKED* C443

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority — Consultant — Main Contractor — Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
BEAM : B-8

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	047	3ACC	60L01	DWG	30014	B

Tekla Structures

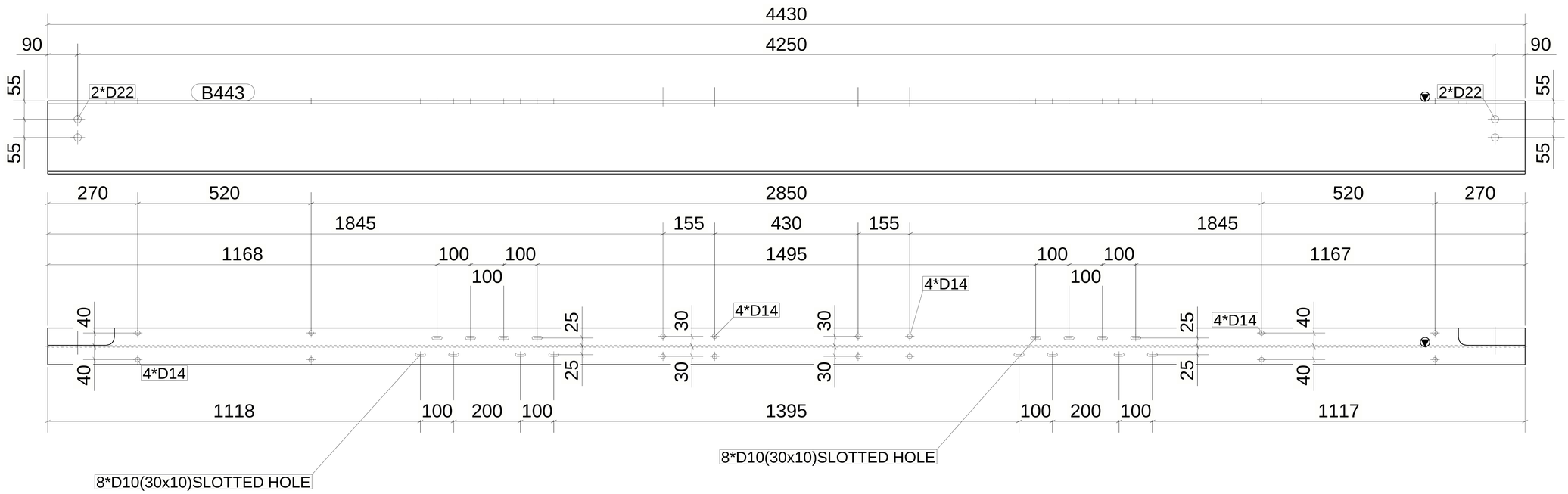
QTY.	Mark
1	01-03B4-S03
1	01-51B1-S09

MATERIAL LIST FOR ASSEMBLY MK'D B443

Mark	Profile	GRADE	No.	Length	Area	Weight
B443	IPE220	S355JR	1	4430	3.76	116.15
				Total	3.76	116.15

approval is subject to approval of coordination package between multi-discipline

REVIEWED WITH COMMENT MONORAILS PROJECT



2 *REQUIRED AS DRAWN MARKED* B443

6 October Monorail Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority — Hill International Consultant — ORASCOM BOMBARDIER Main Contractor — INNOVA Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
BEAM : B-9

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30015	B

Tekla Structures

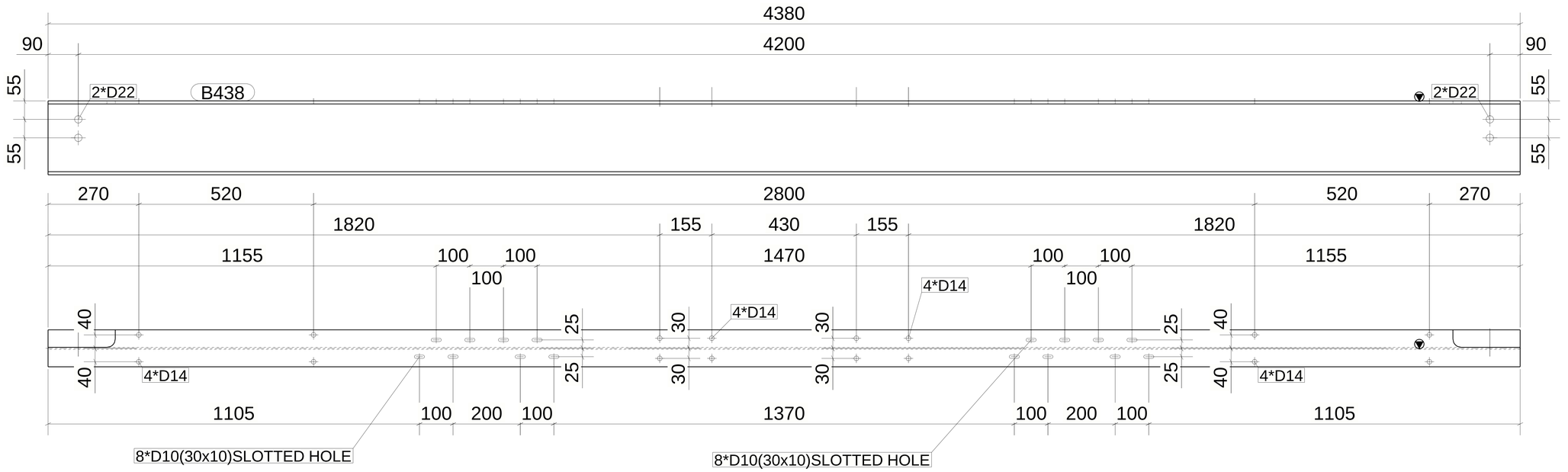
QTY.	Mark
1	01-03B4-S04
1	01-03B4-S05
1	01-51B1-S08

approval is subject to approval of coordination package between multi-discipline

REVIEWED WITH COMMENT MONORAILS PROJECT

MATERIAL LIST FOR ASSEMBLY MK'D B438

Mark	Profile	GRADE	No.	Length	Area	Weight
B438	IPE220	S355JR	1	4380	3.71	114.84
				Total	3.71	114.84



3 *REQUIRED AS DRAWN MARKED* B438

6 October Monorail Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority — Hill International Consultant — ORASCOM BOMBARDIER Main Contractor — INNOVA Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
BEAM : B-10

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30016	B

Tekla Structures

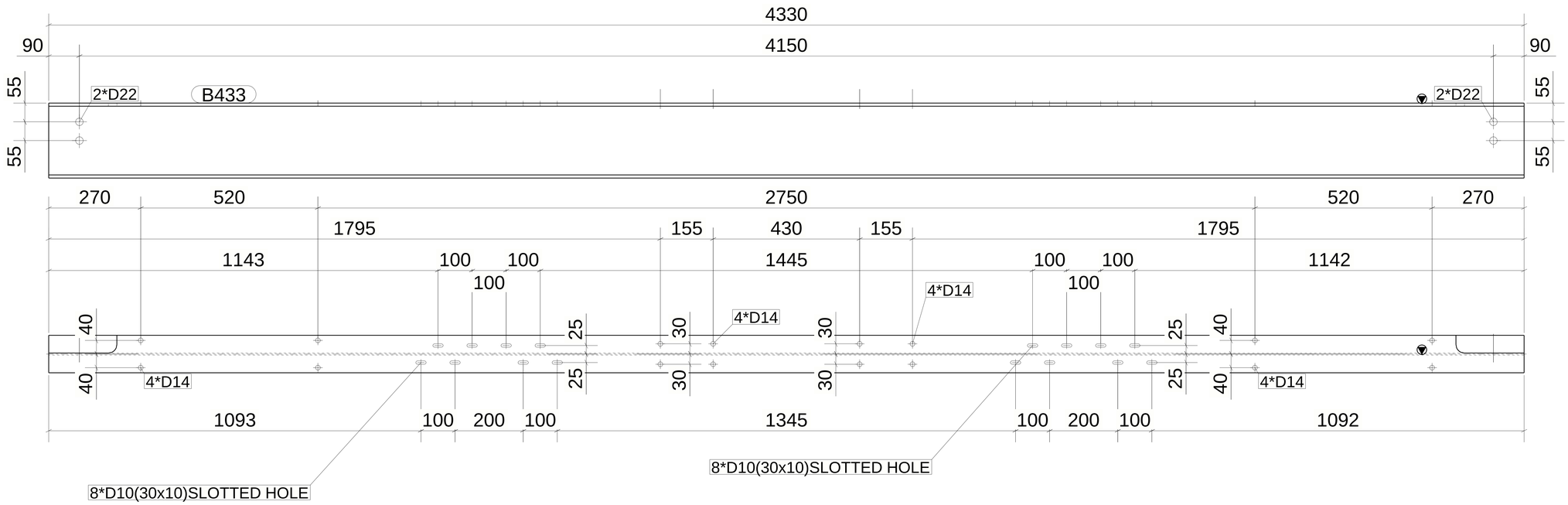
QTY.	Mark
1	01-03B4-S06
1	01-51B1-S06
1	01-51B1-S07

approval is subject to approval of coordination package between multi-discipline

REVIEWED WITH COMMENT
MONORAILS PROJECT

MATERIAL LIST FOR ASSEMBLY MK'DB433

Mark	Profile	GRADE	No.	Length	Area	Weight
B433	IPE220	S355JR	1	4330	3.67	113.53
				Total	3.67	113.53



3 *REQUIRED AS DRAWN MARKED* B433

6 October: Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority — Consultant — Main Contractor — Structural Designer

KEY PLAN:

SCALE: AS SHOWN | SHOPDRAWING | DATE: 28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
BEAM : B-11

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93	M04	73	ACC60	L01	DWG3001	7 B

Tekla Structures

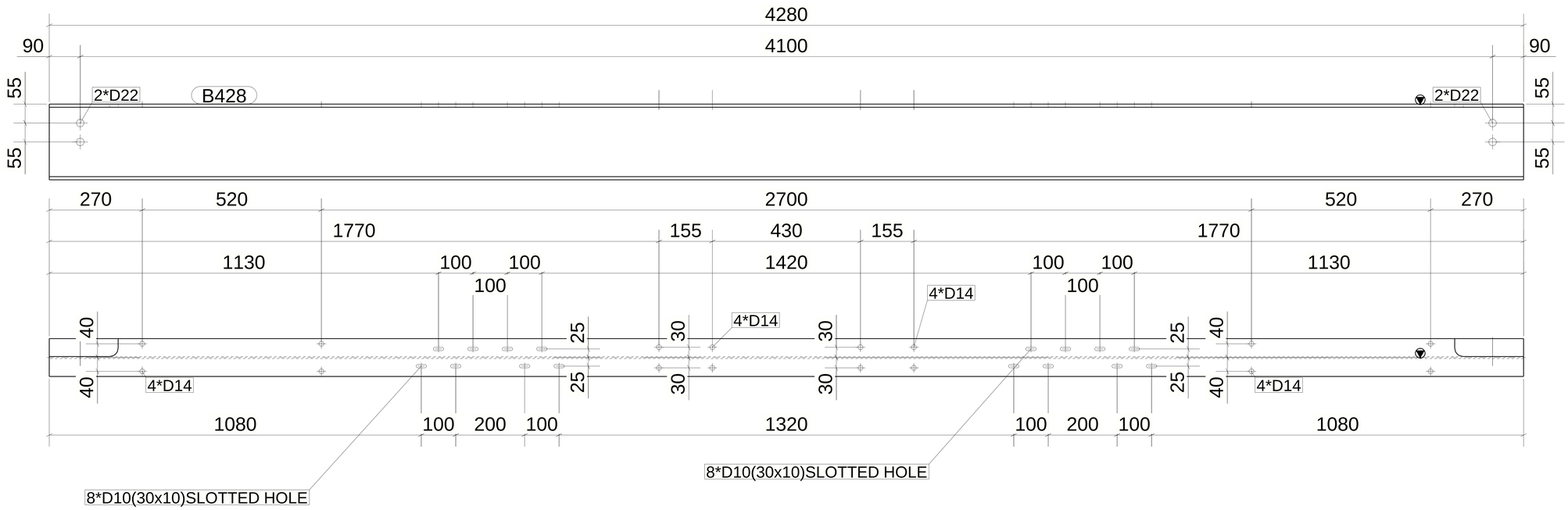
QTY.	Mark
1	01-03B4-S07
1	01-03B4-S08
1	01-51B1-S05

approval is subject to approval of coordination package between multi-discipline

REVIEWED WITH COMMENT
MONORAILS PROJECT

MATERIAL LIST FOR ASSEMBLY MK'DB428

Mark	Profile	GRADE	No.	Length	Area	Weight
B428	IPE220	S355JR	1	4280	3.63	112.22
				Total	3.63	112.22



3 *REQUIRED AS DRAWN MARKED* B428

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority — Consultant — Main Contractor — Structural Designer

KEY PLAN:

SCALE: AS SHOWN | SHOPDRAWING | DATE: 28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
BEAM : B-12

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93	M047	3ACC	60L01	DWG	30018	B

Tekla Structures

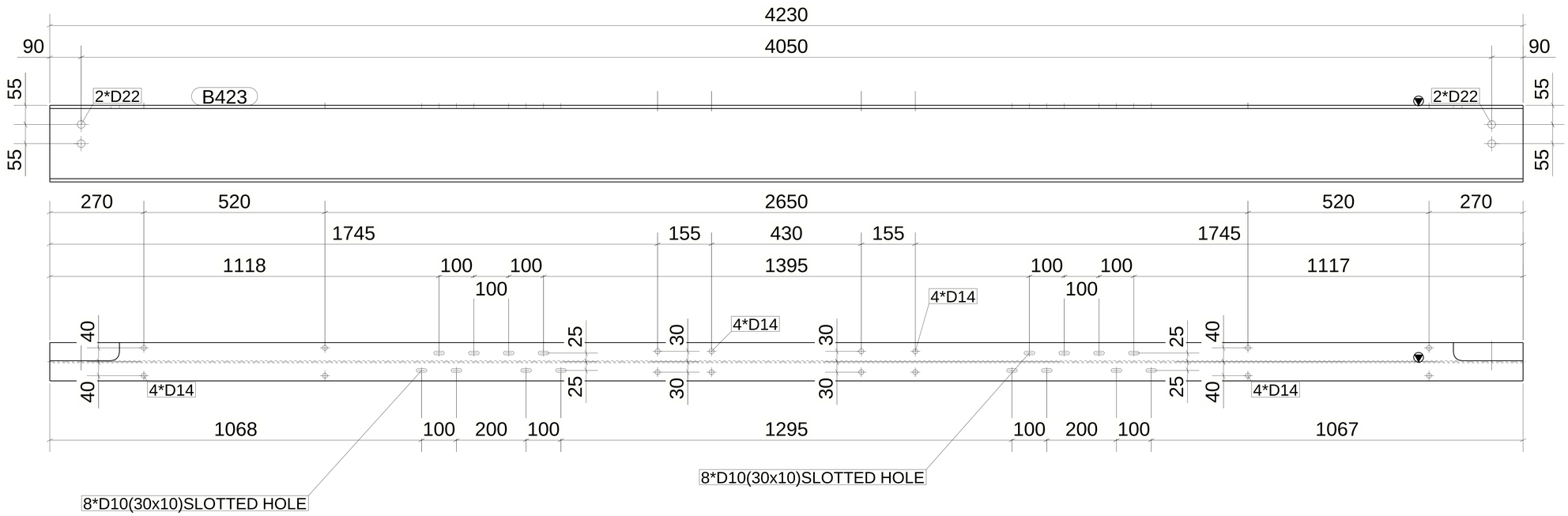
QTY.	Mark
1	01-03B4-S09
1	01-51B1-S03
1	01-51B1-S04

approval is subject to approval of coordination package between multi-discipline

REVIEWED WITH COMMENT
MONORAILS PROJECT

MATERIAL LIST FOR ASSEMBLY MK'DB423

Mark	Profile	GRADE	No.	Length	Area	Weight
B423	IPE220	S355JR	1	4230	3.59	110.91
				Total	3.59	110.91



3 *REQUIRED AS DRAWN MARKED* B423

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Consultant: Hill International | Main Contractor: ORASCOM CONSTRUCTION, Six Arab Contractors, BOMBARDIER | Structural Designer: INNOVA TRANSPORTATION

KEY PLAN:

SCALE: AS SHOWN | SHOPDRAWING | DATE: 28.04.2024

REV.	DATE	DSG.	CHK.	APP.	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
BEAM : B-13

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	047	3ACC	60L01	DWG	30019	B

Tekla Structures

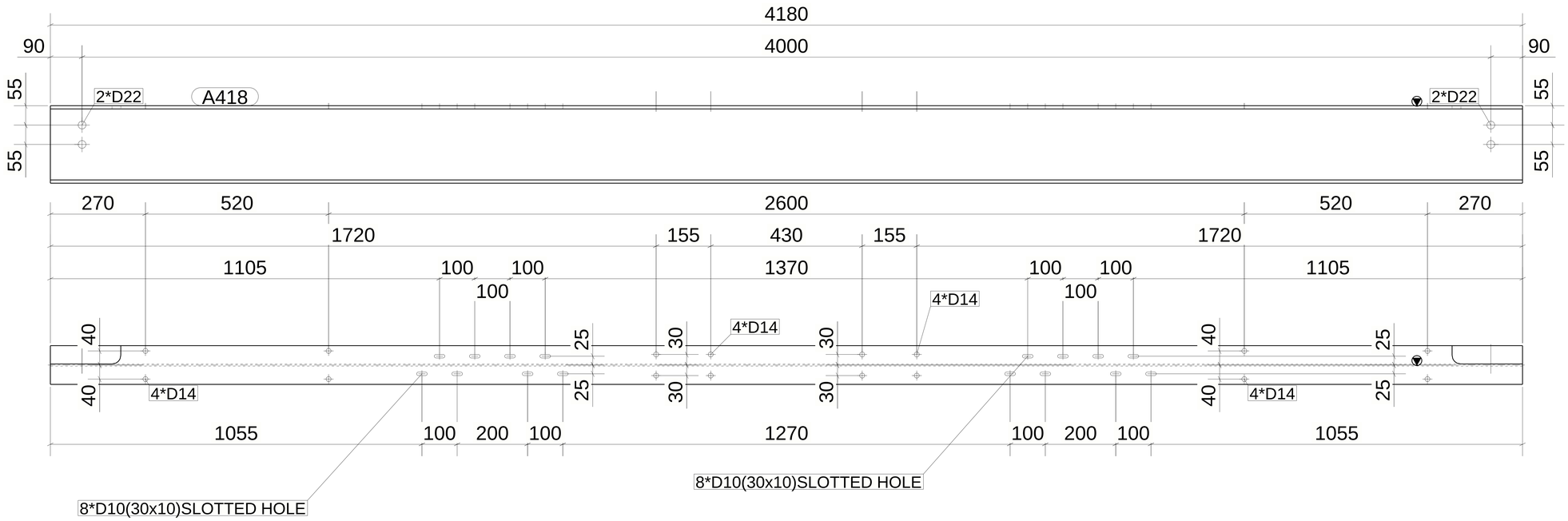
QTY.	Mark
1	01-51B1-S01
1	01-51B1-S02

approval is subject to approval of coordination package between multi-discipline

REVIEWED WITH COMMENT
MONORAILS PROJECT

MATERIAL LIST FOR ASSEMBLY MK'DA418

Mark	Profile	GRADE	No.	Length	Area	Weight
A418	IPE220	S355JR	1	4180	3.54	109.60
				Total	3.54	109.60



2 *REQUIRED AS DRAWN MARKED* A418

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority — Consultant — Main Contractor — Structural Designer

KEY PLAN:

SCALE: AS SHOWN | SHOPDRAWING | DATE: 28.04.2024

REV.	DATE	DSG.	CHK.	APP.	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
BEAM : B-14

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	047	3ACC	60L01	DWG	30020	B

Tekla Structures

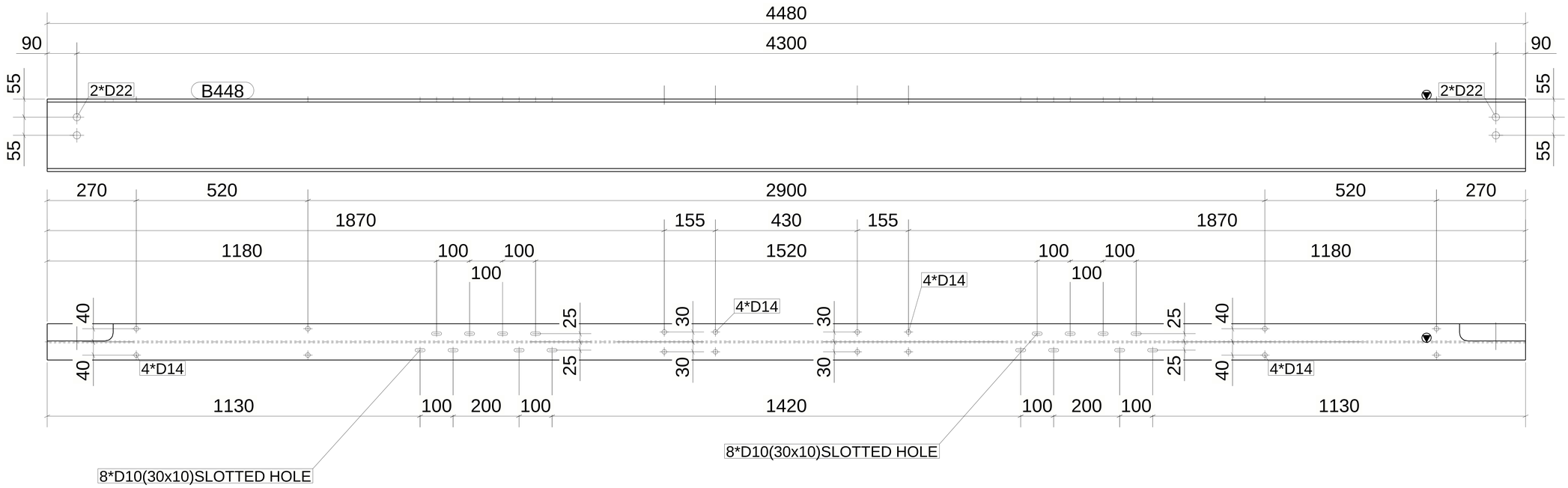
QTY.	Mark
1	01-51B2-S01
1	01-51B2-S02

approval is subject to approval of coordination package between multi-discipline

REVIEWED WITH COMMENT
MONORAILS PROJECT

MATERIAL LIST FOR ASSEMBLY MK'DB448

Mark	Profile	GRADE	No.	Length	Area	Weight
B448	IPE220	S355JR	1	4480	3.80	117.46
				Total	3.80	117.46



2 *REQUIRED AS DRAWN MARKED* B448

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority — Consultant — Main Contractor — Structural Designer

KEY PLAN:

SCALE: AS SHOWN | SHOPDRAWING | DATE: 28.04.2024

REV.	DATE	DSG.	CHK.	APP.	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
BEAM : B-15

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	047	3ACC	60L01	DWG	30021	B

Tekla Structures

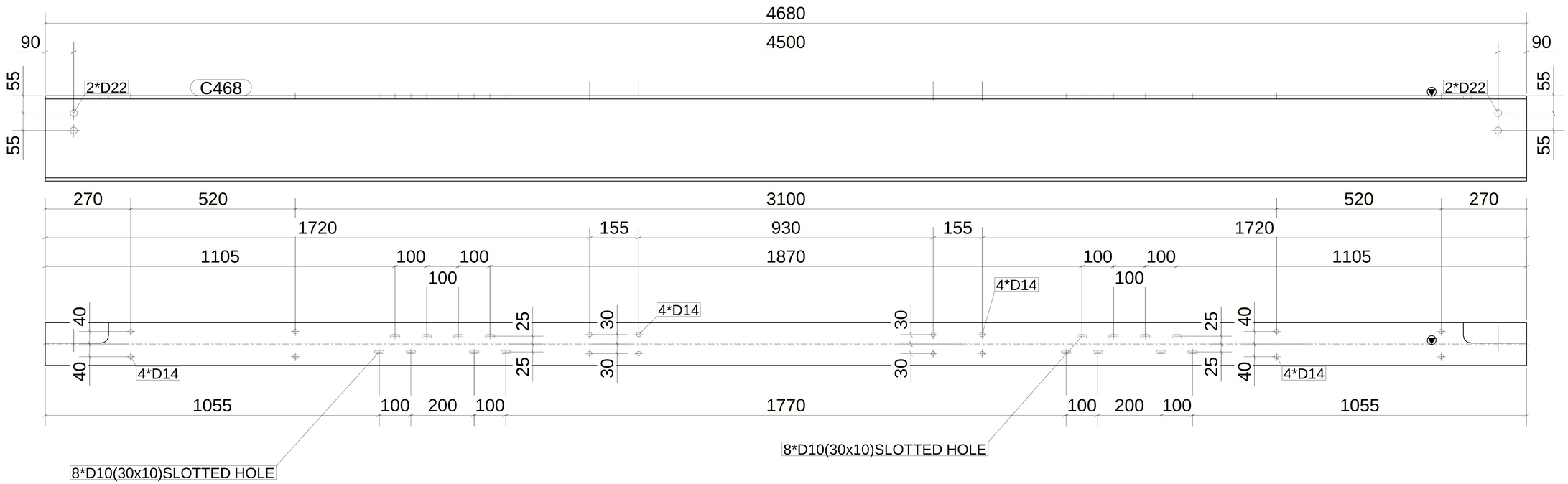
QTY.	Mark
1	01-51B2-S07
1	01-51B2-S08

MATERIAL LIST FOR ASSEMBLY MK'D C468

Mark	Profile	GRADE	No.	Length	Area	Weight
C468	IPE270	S355JR	1	4680	4.87	168.63
				Total	4.87	168.63

approval is subject to approval of coordination package between multi-discipline

REVIEWED WITH COMMENT MONORAILS PROJECT



2 *REQUIRED AS DRAWN MARKED* C468

6 October Monorail Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Hill International Consultant | ORASCOM BOMBARDIER Main Contractor | INNOVA Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
BEAM : B-16

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30022	B

Tekla Structures

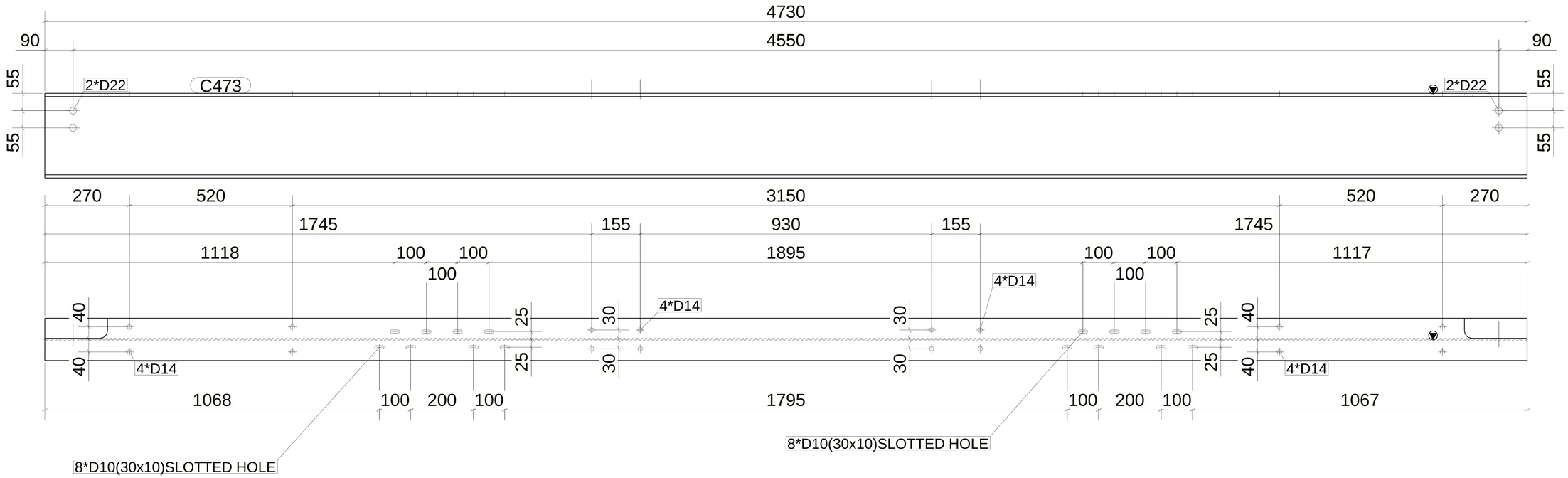
QTY.	Mark
1	01-51B2-S09

approval is subject to approval of coordination package between multi-discipline

REVIEWED WITH COMMENT
MONORAILS PROJECT

MATERIAL LIST FOR ASSEMBLY MK'DC473

Mark	Profile	GRADE	No.	Length	Area	Weight
C473	IPE270	S355JR	1	4730	4.92	170.43
				Total	4.92	170.43



1 *REQUIRED AS DRAWN MARKED* C473

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority — Consultant — Main Contractor — Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28/4/2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
BEAM : B-17

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93	M047	3ACC	60L01	DWG	30023	B

Steel Structures

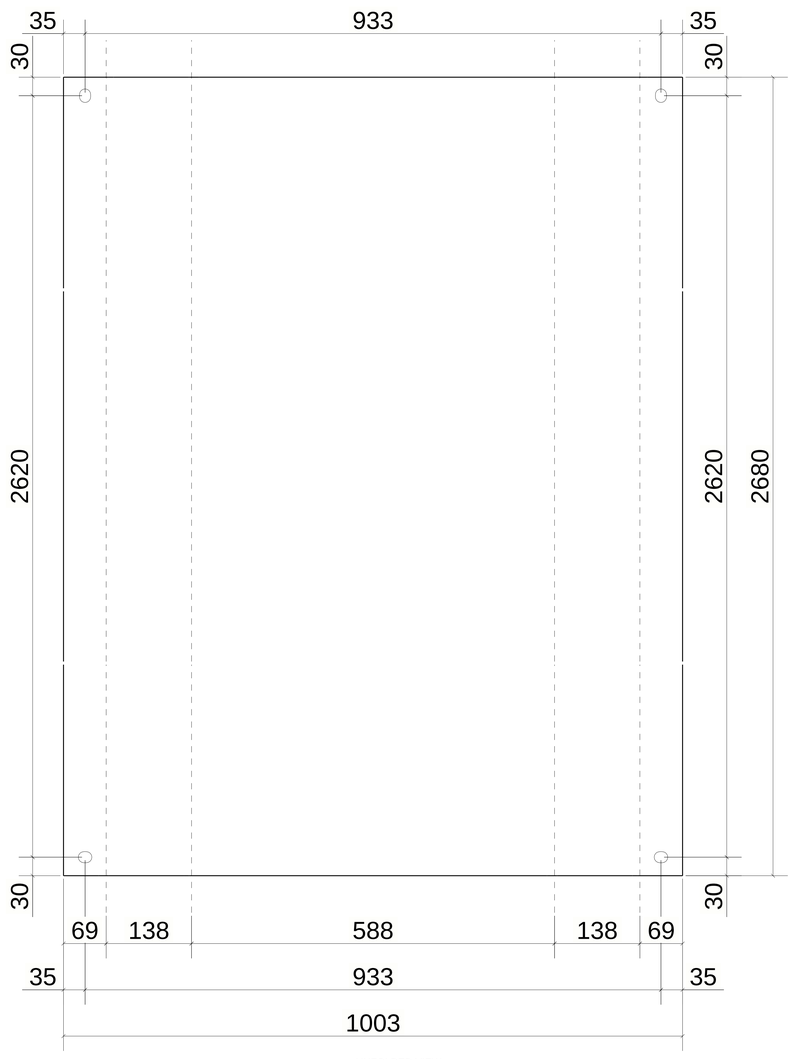
QTY.	Mark
1	01-03B2-S01

MATERIAL LIST FOR ASSEMBLY MK'D W7-E4

Mark	Profile	GRADE	No.	Length	Area	Weight
E4	CHQ5*2680.0	S235JR	1	1003	5.41	110.44
				Total	5.41	110.44

REVIEWED WITH COMMENT MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing



UNFOLDED VIEW

1 *REQUIRED AS DRAWN MARKED* W7-E4/60x15

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Hill International Consultant | Main Contractor | Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-7

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30024	B

Tekla Structures

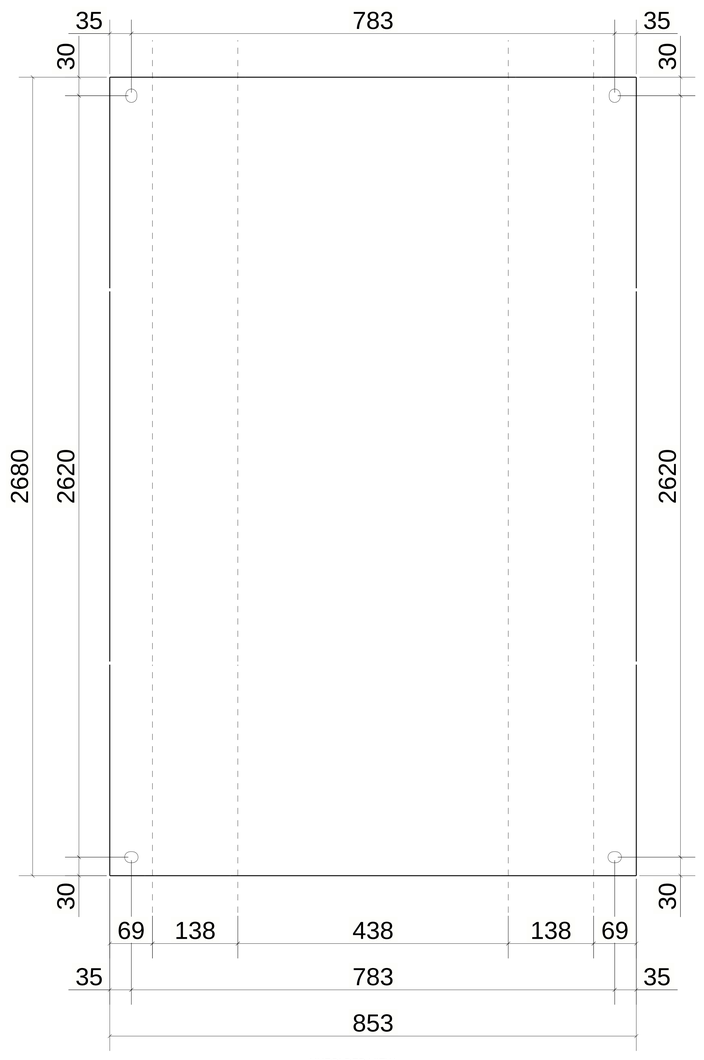
QTY.	Mark
1	01-03B2-S01

MATERIAL LIST FOR ASSEMBLY MK'D W8-E3

Mark	Profile	GRADE	No.	Length	Area	Weight
E3	CHQ5*2680.0	S235JR	1	853	4.60	93.86
				Total	4.60	93.86

REVIEWED WITH COMMENT MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing



UNFOLDED VIEW

1 *REQUIRED AS DRAWN MARKED* W8-E3/45x15

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Hill International Consultant | ORASCOM BOMBARDIER Main Contractor | INNOVA TRANSPORTATION Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-8

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30025	B

Tekla Structures

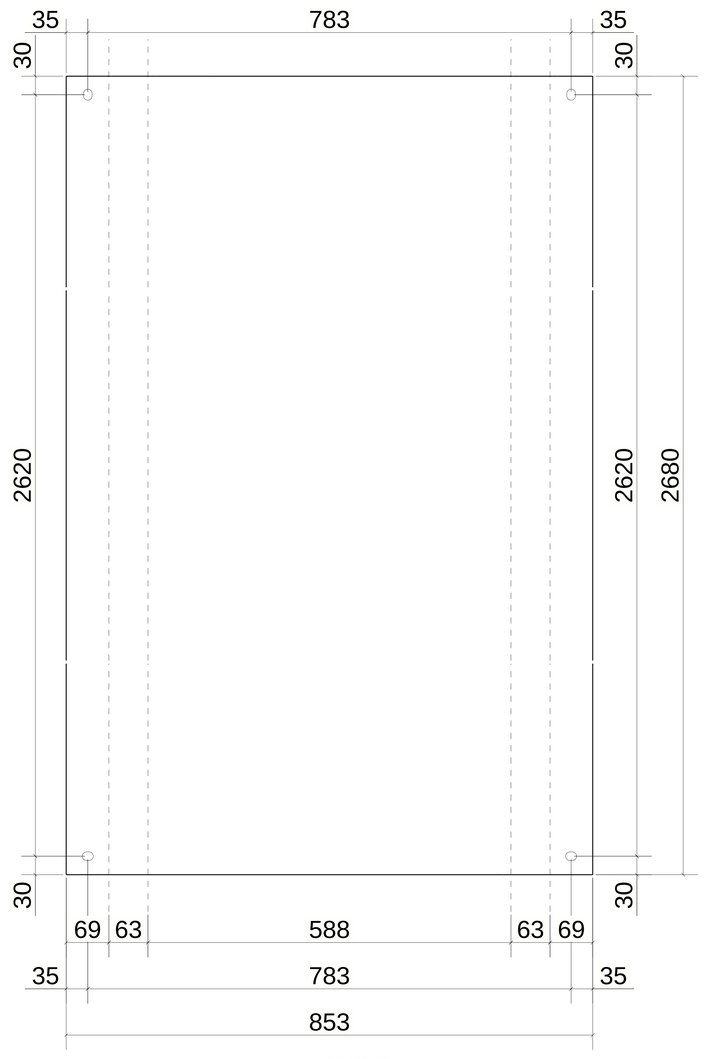
QTY.	Mark
1	01-03B2-S01

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

MATERIAL LIST FOR ASSEMBLY MK'DW9-S2

Mark	Profile	GRADE	No.	Length	Area	Weight
S2	CHQ5*2680.0	S235JR	1	853	4.60	93.86
				Total	4.60	93.86



UNFOLDED VIEW

1 *REQUIRED AS DRAWN MARKED* W9-S2/60x7.5

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Consultant: Hill International | Main Contractor: ORASCOM / BOMBARDIER / The Arab Contractors | Structural Designer: INNOVA TRANSPORTATION

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV.	DATE	DSG.	CHK.	APP.	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-9

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	047	3ACC	60L01	DWG	30026	B

Delta Structures

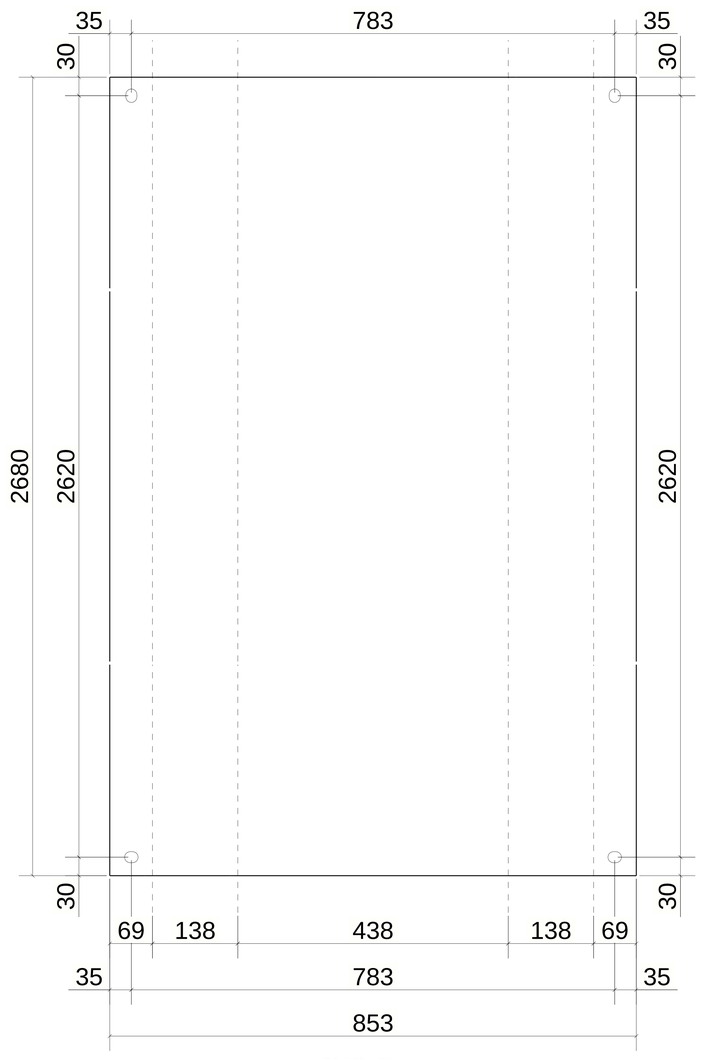
QTY.	Mark
1	01-03B2-S01

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

MATERIAL LIST FOR ASSEMBLY MK'DW10-E2

Mark	Profile	GRADE	No.	Length	Area	Weight
E2	CHQ5*2680.0	S235JR	1	853	4.60	93.86
				Total	4.60	93.86



UNFOLDED VIEW

1 *REQUIRED AS DRAWN MARKED* W10-E2/45x15

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Hill International Consultant | Main Contractor | Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV.	DATE	DSG.	CHK.	APP.	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-10

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	047	3ACC	60L01	DWG	30027	B

Delta Structures

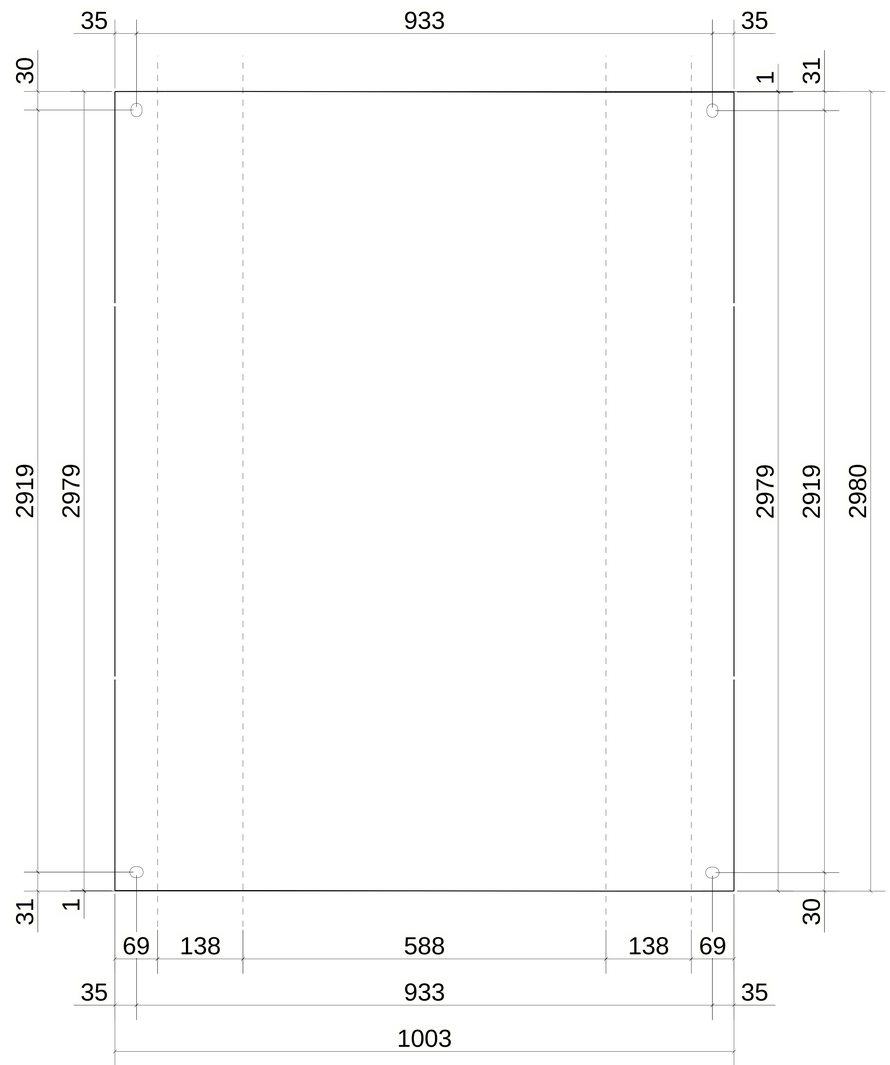
QTY.	Mark
1	01-51B2-S06
1	01-51B2-S07
1	01-51B2-S08

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

MATERIAL LIST FOR ASSEMBLY MK'D W11-E3

Mark	Profile	GRADE	No.	Length	Area	Weight
E3	CHQ5*2980.0	S235JR	1	1003	6.01	122.77
				Total	6.01	122.77



UNFOLDED VIEW

3 *REQUIRED AS DRAWN MARKED* W11-E3/60x15

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
3	
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Consultant: Hill International | Main Contractor: ORASCOM CONSTRUCTION / BOMBARDIER | Structural Designer: INNOVA TRANSPORTATION

KEY PLAN:

6 October Monorail
Engineering Unit
Valid For Construction

SCALE	SHOPDRAWING	DATE
AS SHOWN		23/4/2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-11

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	3002	8 B

Hill Structures

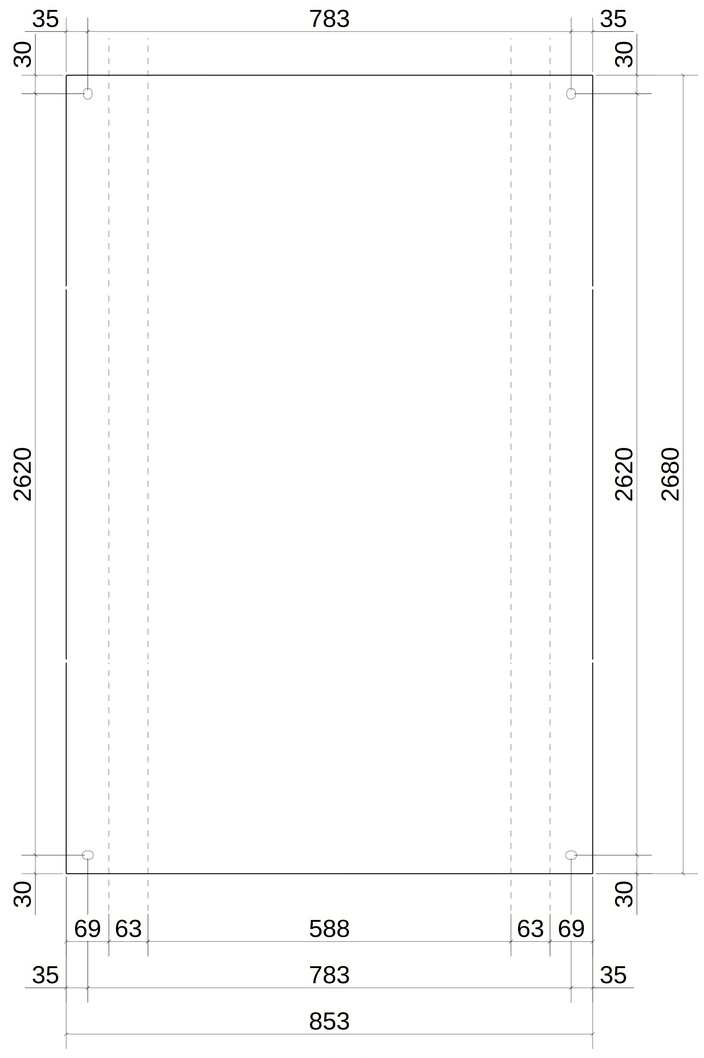
QTY.	Mark
1	01-03B2-S01

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

MATERIAL LIST FOR ASSEMBLY MK'DW12-S1

Mark	Profile	GRADE	No.	Length	Area	Weight
S1	CHQ5*2680.0	S235JR	1	853	4.60	93.86
				Total	4.60	93.86



UNFOLDED VIEW

1 *REQUIRED AS DRAWN MARKED* W12-S1/60x7.5

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
3	
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority — Hill International (Consultant) — Main Contractor — Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV.	DATE	DSG.	CHK.	APP.	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-12

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93	M047	3ACC	60L01	DWG	30029	B

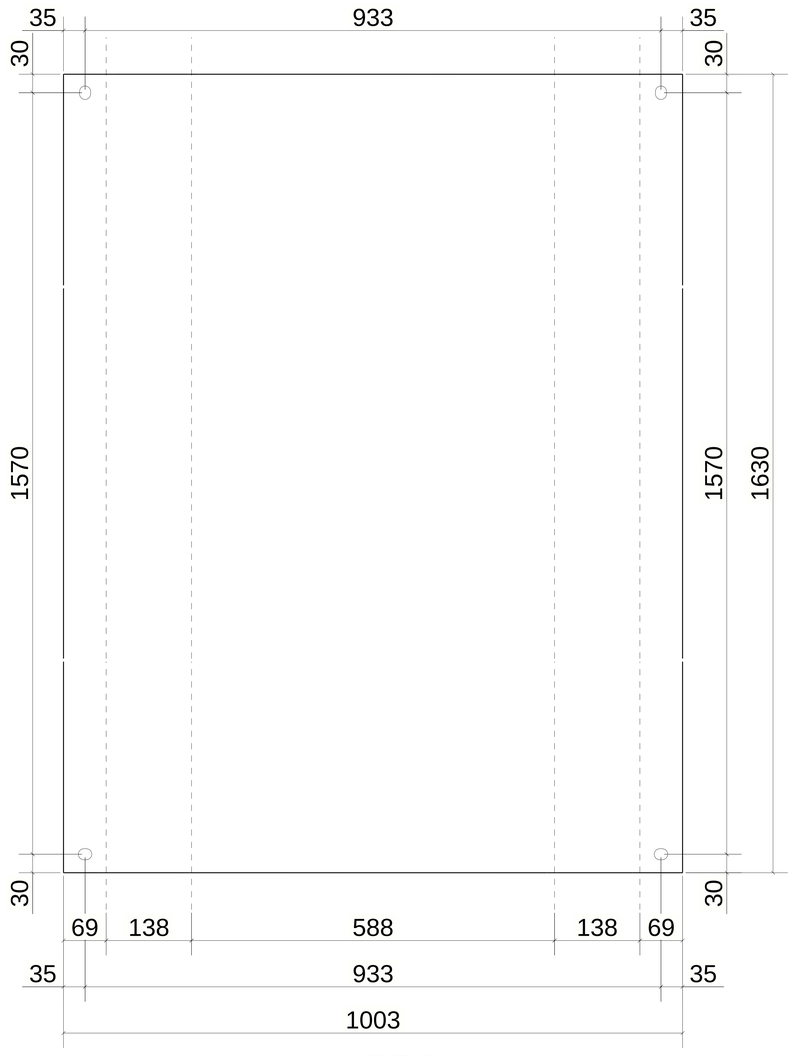
Dar Al Handasah Shair and Partners

QTY.	Mark
1	01-03B2-S02

MATERIAL LIST FOR ASSEMBLY MK'D W13-E4						
Mark	Profile	GRADE	No.	Length	Area	Weight
E4	CHQ5*1630.0	S235JR	1	1003	3.29	67.18
				Total	3.29	67.18

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing



UNFOLDED VIEW

1 *REQUIRED AS DRAWN MARKED* W13-E4/60x15

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
3	
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8	
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Consultant: Hill International | Main Contractor: ORASCOM / BOMBARDIER | Structural Designer: INNOVA

KEY PLAN:

6 October Monorail
Engineering Unit
Valid For Construction

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-13

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30030	B

Tekla Structures

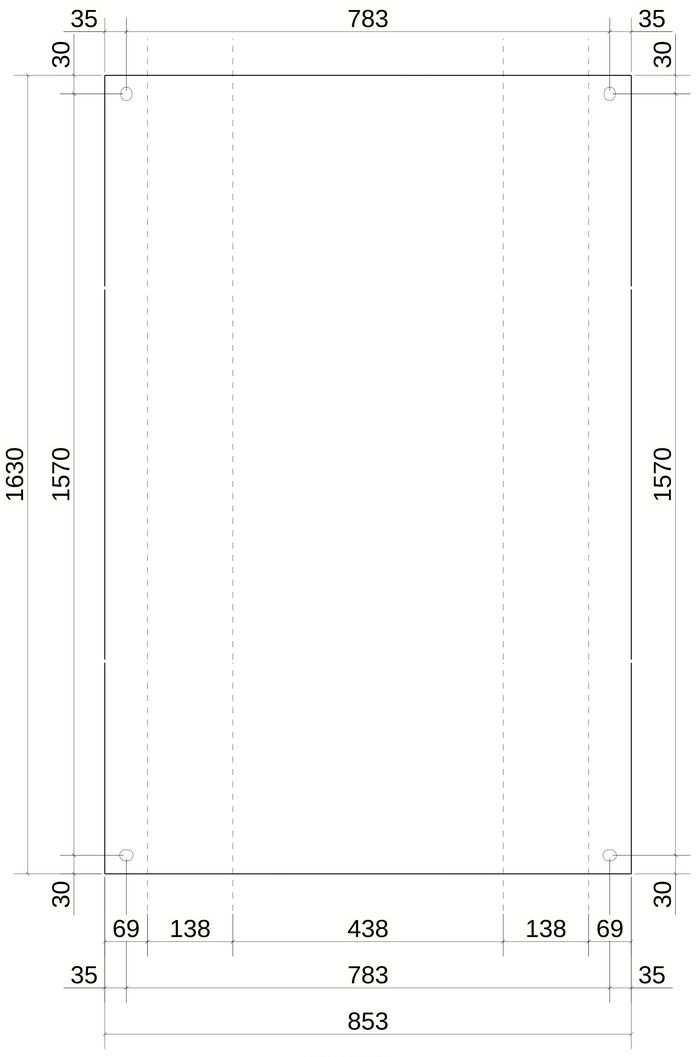
QTY.	Mark
1	01-03B2-S02
1	01-03B2-S11

MATERIAL LIST FOR ASSEMBLY MK'D W14-E3

Mark	Profile	GRADE	No.	Length	Area	Weight
E3	CHQ5*1630.0	S235JR	1	853	2.80	57.09
				Total	2.80	57.09

REVIEWED WITH COMMENT MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing



UNFOLDED VIEW

2 *REQUIRED AS DRAWN MARKED* W14-E3/45x15

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
3	
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Hill International Consultant | ORASCOM BOMBARDIER Main Contractor | INNOVA Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-14

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30031	B

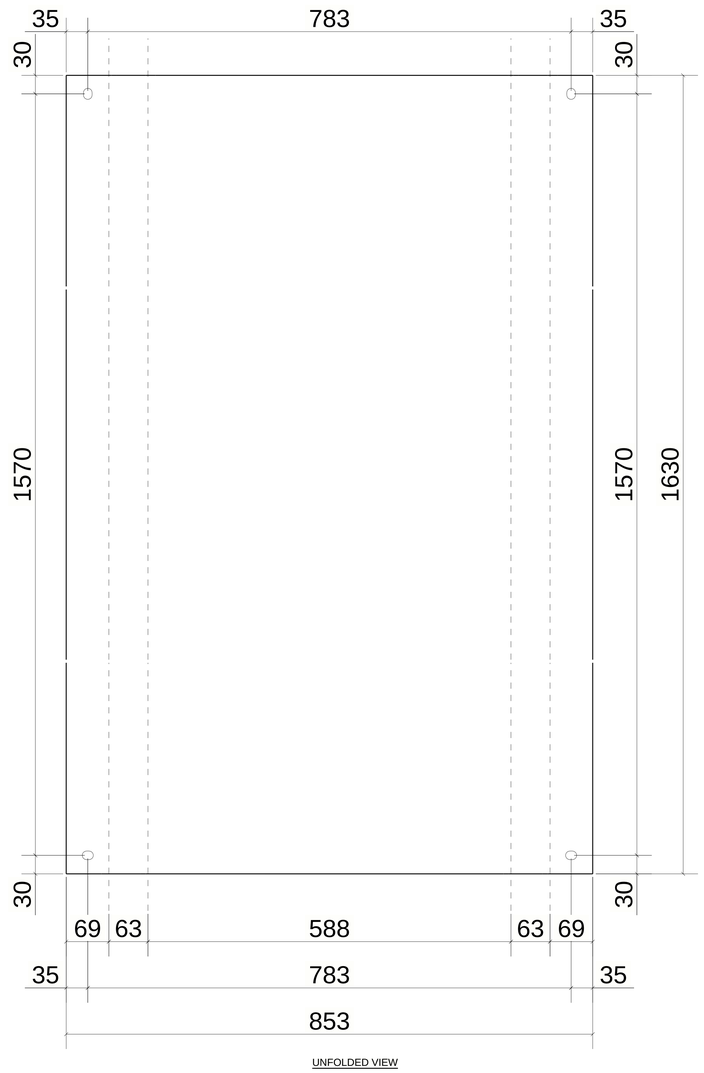
Tekla Structures

QTY.	Mark
1	01-03B2-S02

MATERIAL LIST FOR ASSEMBLY MK'D W15-S2						
Mark	Profile	GRADE	No.	Length	Area	Weight
S2	CHQ5*1630.0	S235JR	1	853	2.80	57.09
				Total	2.80	57.09

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing



UNFOLDED VIEW

1 *REQUIRED AS DRAWN MARKED* W15-S2/60x7.5

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
3	
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Consultant: Hill International | Main Contractor: ORASCOM CONSTRUCTION, BOMBARDIER | Structural Designer: INNOVA TRANSPORTATION

KEY PLAN:

SCALE: AS SHOWN | SHOPDRAWING | DATE: 28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-15

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30032	B

Tekla Structures

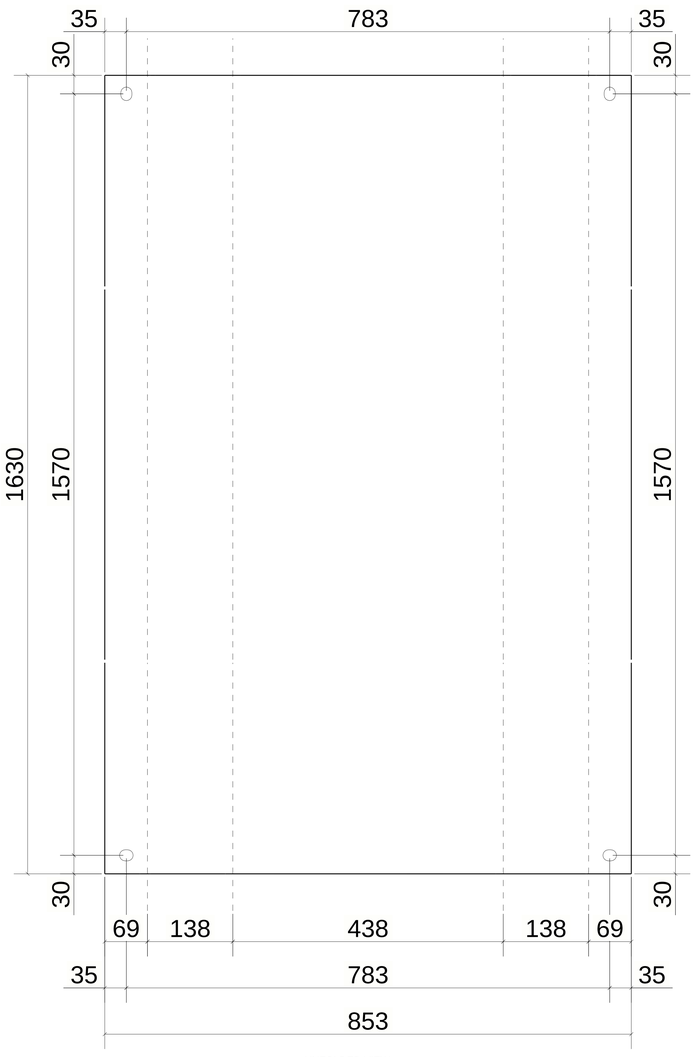
QTY.	Mark
1	01-03B2-S02
1	01-03B2-S11

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

MATERIAL LIST FOR ASSEMBLY MK'D W16-E2

Mark	Profile	GRADE	No.	Length	Area	Weight
E2	CHQ5*1630.0	S235JR	1	853	2.80	57.09
				Total	2.80	57.09



UNFOLDED VIEW

2 *REQUIRED AS DRAWN MARKED* W16-E2/45x15

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
3	
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Consultant: Hill International | Main Contractor: ORASCOM CONSTRUCTION, BOMBARDIER | Structural Designer: INNOVA TRANSPORTATION

KEY PLAN:

SCALE: AS SHOWN | SHOPDRAWING | DATE: 28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-16

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30033	B

Tekla Structures

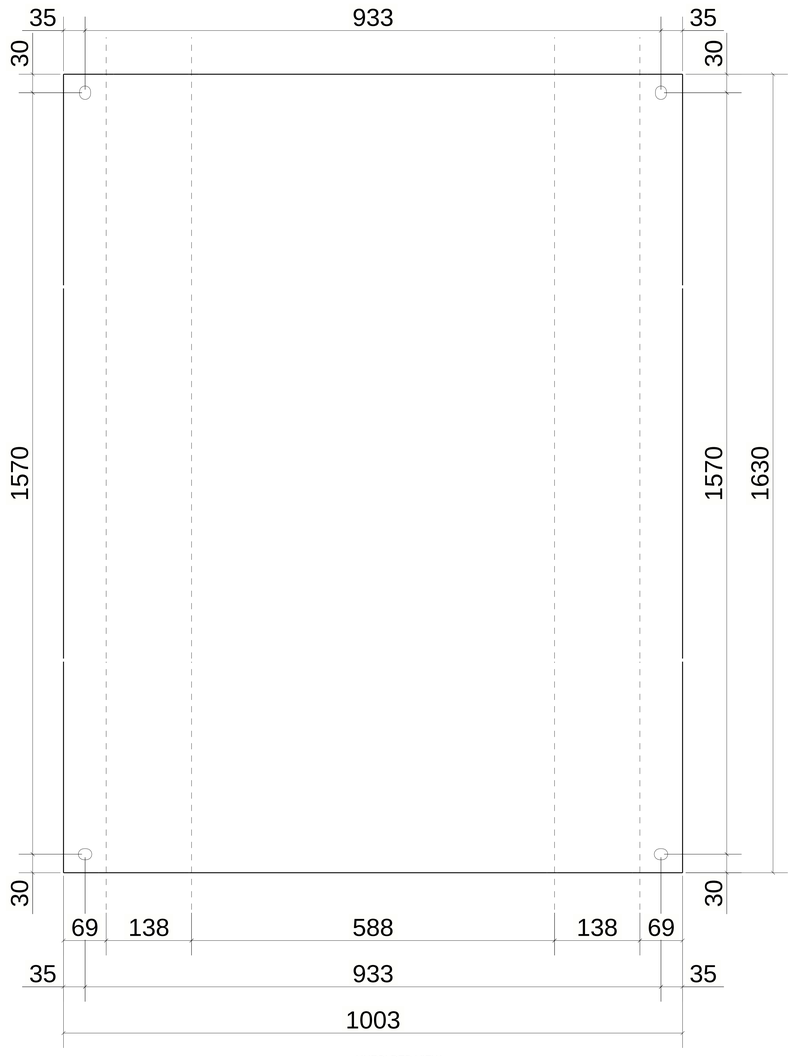
QTY.	Mark
1	01-03B2-S02

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

MATERIAL LIST FOR ASSEMBLY MK'DW17-E1

Mark	Profile	GRADE	No.	Length	Area	Weight
E1	CHQ5*1630.0	S235JR	1	1003	3.29	67.18
				Total	3.29	67.18



UNFOLDED VIEW

1 *REQUIRED AS DRAWN MARKED* W17-E1/60x15

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
3	
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Consultant: Hill International | Main Contractor: ORASCOM / BOMBARDIER | Structural Designer: INNOVA

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-17

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30034	B

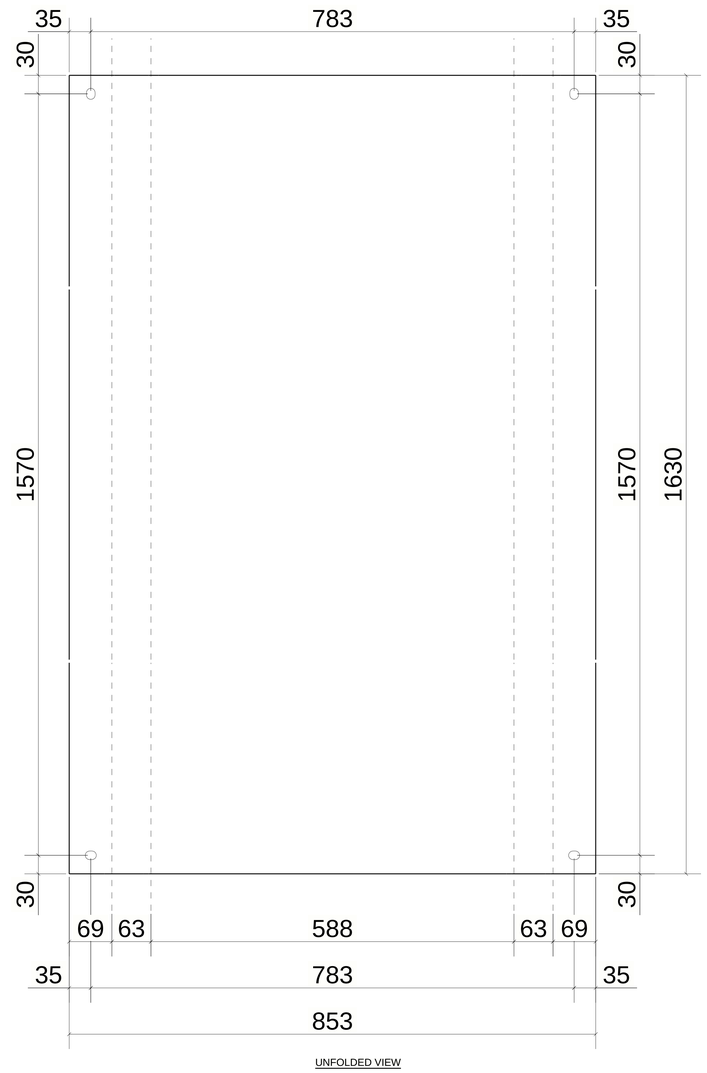
Tekla Structures

QTY.	Mark
1	01-03B2-S02

MATERIAL LIST FOR ASSEMBLY MK'D W18-S1						
Mark	Profile	GRADE	No.	Length	Area	Weight
S1	CHQ5*1630.0	S235JR	1	853	2.80	57.09
				Total	2.80	57.09

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing



UNFOLDED VIEW

1 *REQUIRED AS DRAWN MARKED* W18-S1/60x7.5

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
3	
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority — Hill International Consultant — Main Contractor — Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-18

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30035	B

Tekla Structures

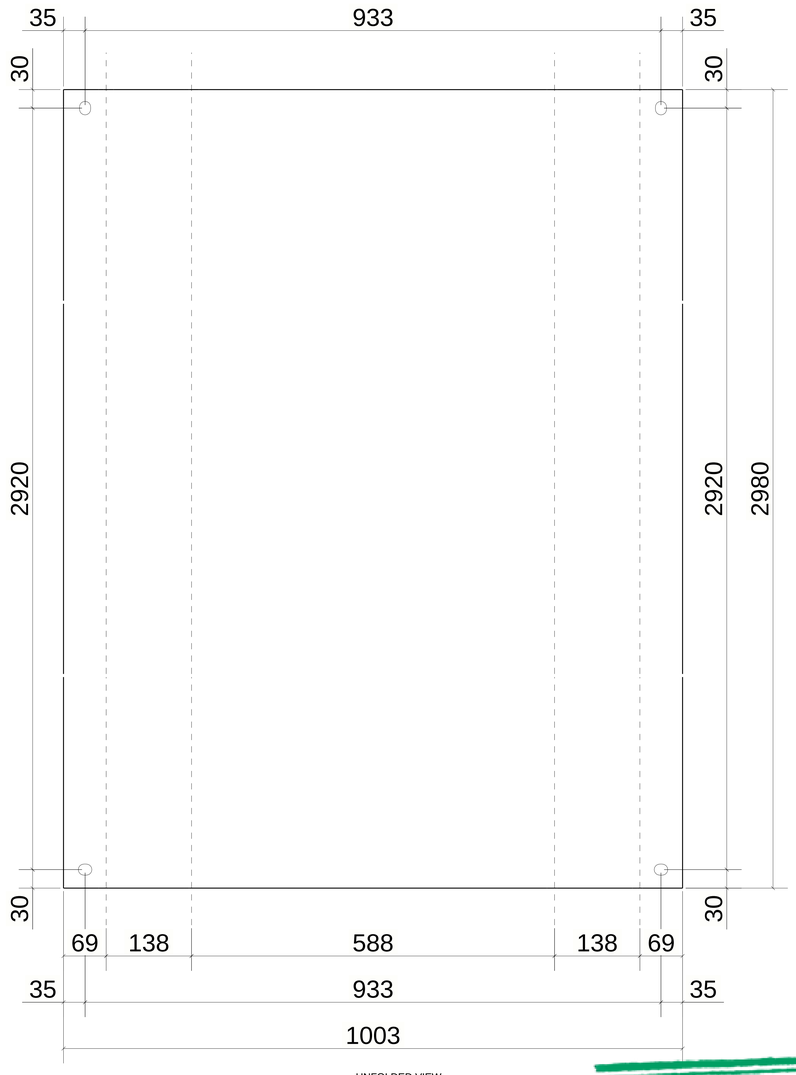
QTY.	Mark
1	01-03B2-S03
1	01-03B2-S04
1	01-03B2-S05
1	01-03B2-S06
1	01-03B2-S07
1	01-03B2-S08
1	01-03B2-S09
1	01-03B2-S10

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

MATERIAL LIST FOR ASSEMBLY MK'DW19-E4

Mark	Profile	GRADE	No.	Length	Area	Weight
E4	CHQ5*2980.0	S235JR	1	1003	6.01	122.80
				Total	6.01	122.80



UNFOLDED VIEW

8 *REQUIRED AS DRAWN MARKED* W19-E4/60x15

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Consultant: Hill International | Main Contractor: ORASCOM CONSTRUCTION, BOMBARDIER | Structural Designer: INNOVA TRANSPORTATION

KEY PLAN:

SCALE: AS SHOWN | SHOPDRAWING | DATE: 28/04/2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-19

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30036	B

Tekla Structures

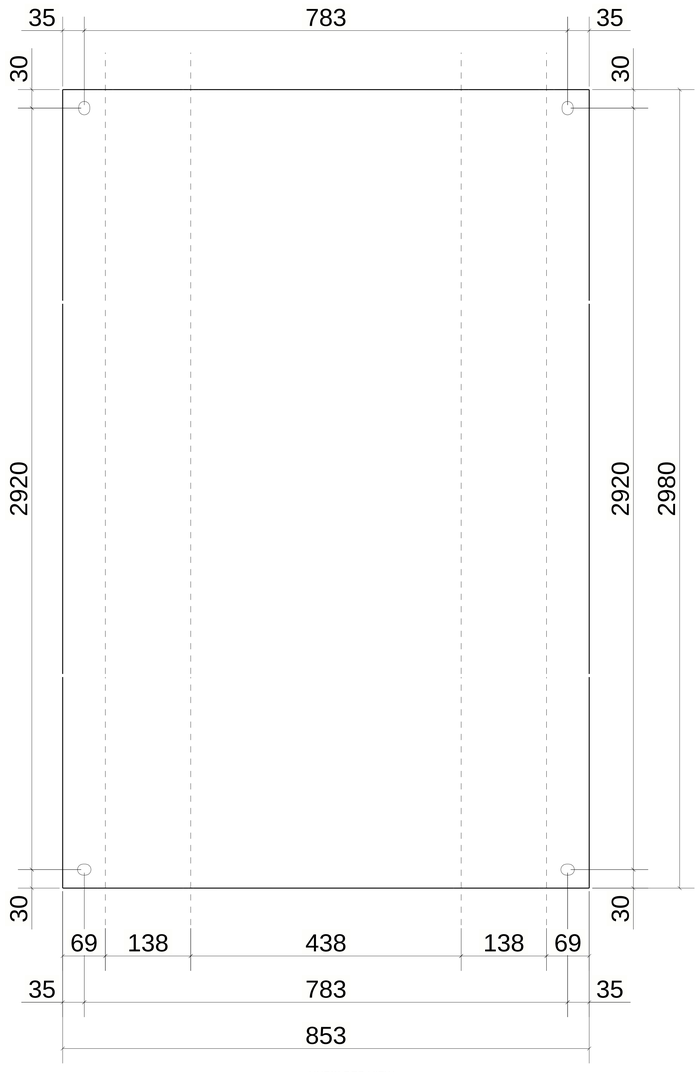
QTY.	Mark
1	01-03B2-S03
1	01-03B2-S04
1	01-03B2-S05
1	01-03B2-S06
1	01-03B2-S07
1	01-03B2-S08
1	01-03B2-S09
1	01-03B2-S10

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

MATERIAL LIST FOR ASSEMBLY MK'DW20-E3

Mark	Profile	GRADE	No.	Length	Area	Weight
E3	CHQ5*2980.0	S235JR	1	853	5.12	104.36
				Total	5.12	104.36



UNFOLDED VIEW

8 *REQUIRED AS DRAWN MARKED* W20-E3/45x15

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Consultant: Hill International | Main Contractor: ORASCOM CONSTRUCTION, BOMBARDIER | Structural Designer: INNOVA TRANSPORTATION

KEY PLAN:

6 October Monorail
Engineering Unit
Valid For Construction

SCALE	SHOPDRAWING	DATE
AS SHOWN		28/4/2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-20

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30037	B

Tekla Structures

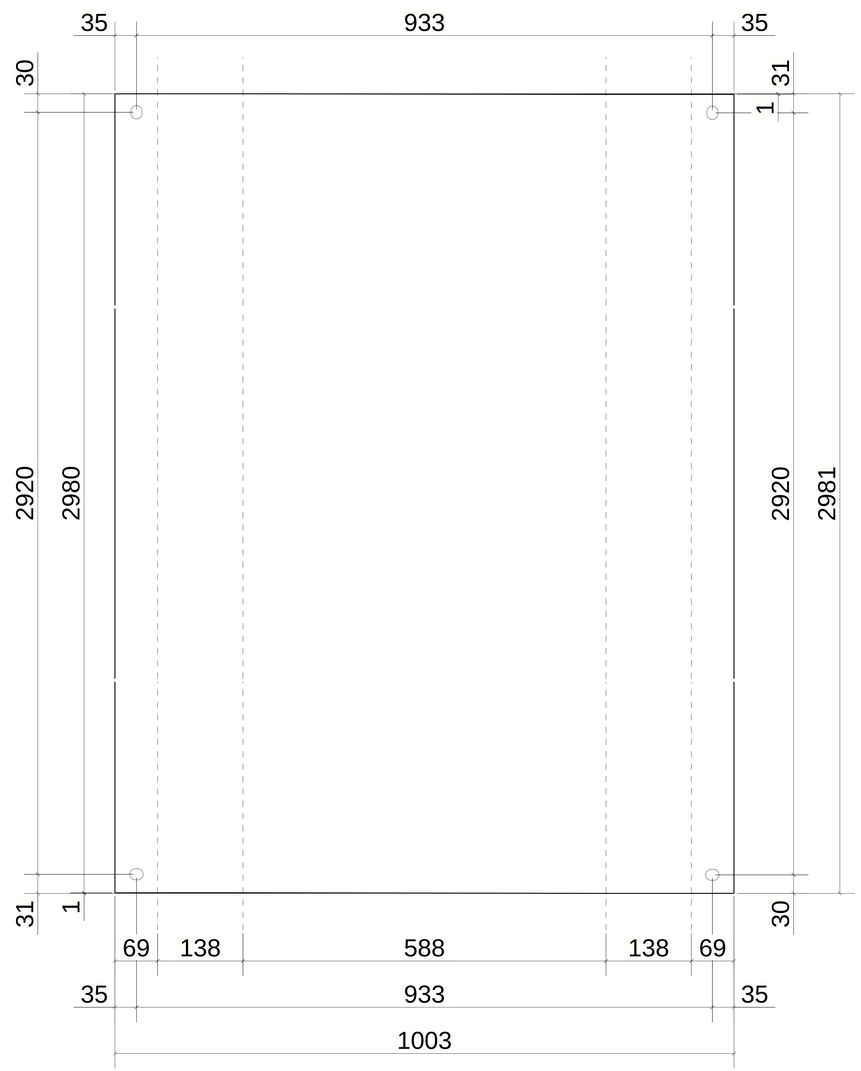
QTY.	Mark
1	01-03B2-S10

MATERIAL LIST FOR ASSEMBLY MK'D W21-E1

Mark	Profile	GRADE	No.	Length	Area	Weight
E1	CHQ5*2980.0	S235JR	1	1003	6.01	122.80
				Total	6.01	122.80

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing



UNFOLDED VIEW

1 *REQUIRED AS DRAWN MARKED* W21-E1/60x15

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Consultant: Hill International | Main Contractor: ORASCOM CONSTRUCTION, BOMBARDIER | Structural Designer: INNOVA TRANSPORTATION

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-21

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93	M047	3ACC	60L01	DWG	30038	B

Data Structures

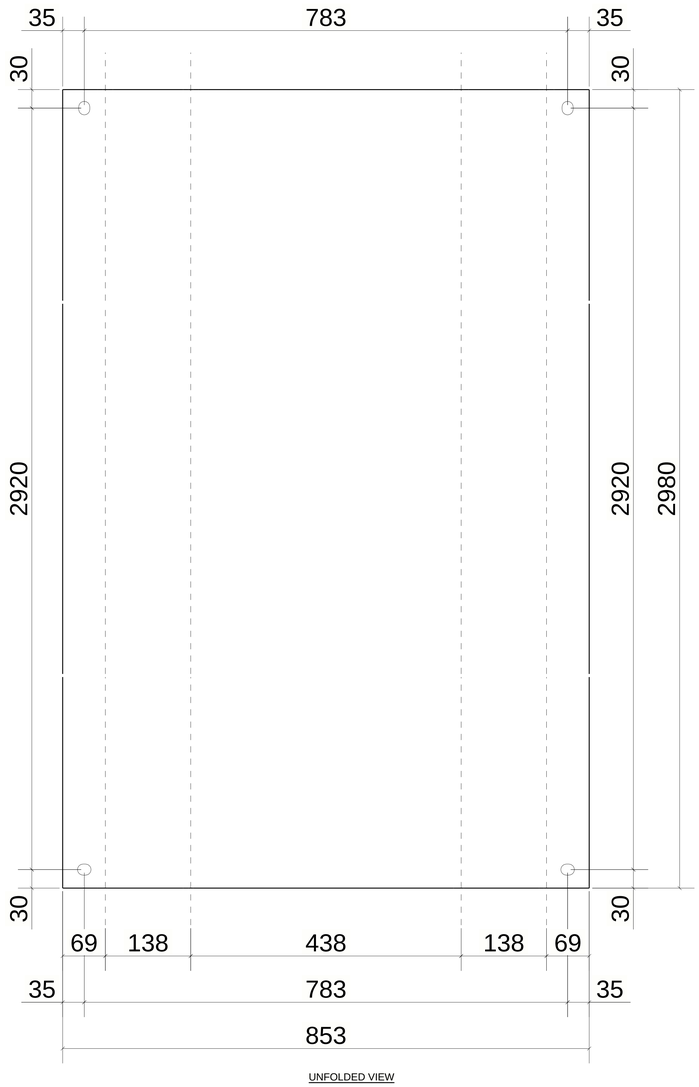
QTY.	Mark
1	01-03B2-S03
1	01-03B2-S04
1	01-03B2-S05
1	01-03B2-S06
1	01-03B2-S07
1	01-03B2-S08
1	01-03B2-S09
1	01-03B2-S10

REVIEWED WITH COMMENT MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

MATERIAL LIST FOR ASSEMBLY MK'D W22-E2

Mark	Profile	GRADE	No.	Length	Area	Weight
E2	CHQ5*2980.0	S235JR	1	853	5.12	104.36
				Total	5.12	104.36



UNFOLDED VIEW

8 *REQUIRED AS DRAWN MARKED* W22-E2/45x15

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Hill International Consultant | ORASCOM BOMBARDIER Main Contractor | INNOVA TRANSPORTATION Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG.	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-22

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30039	B

Tekla Structures

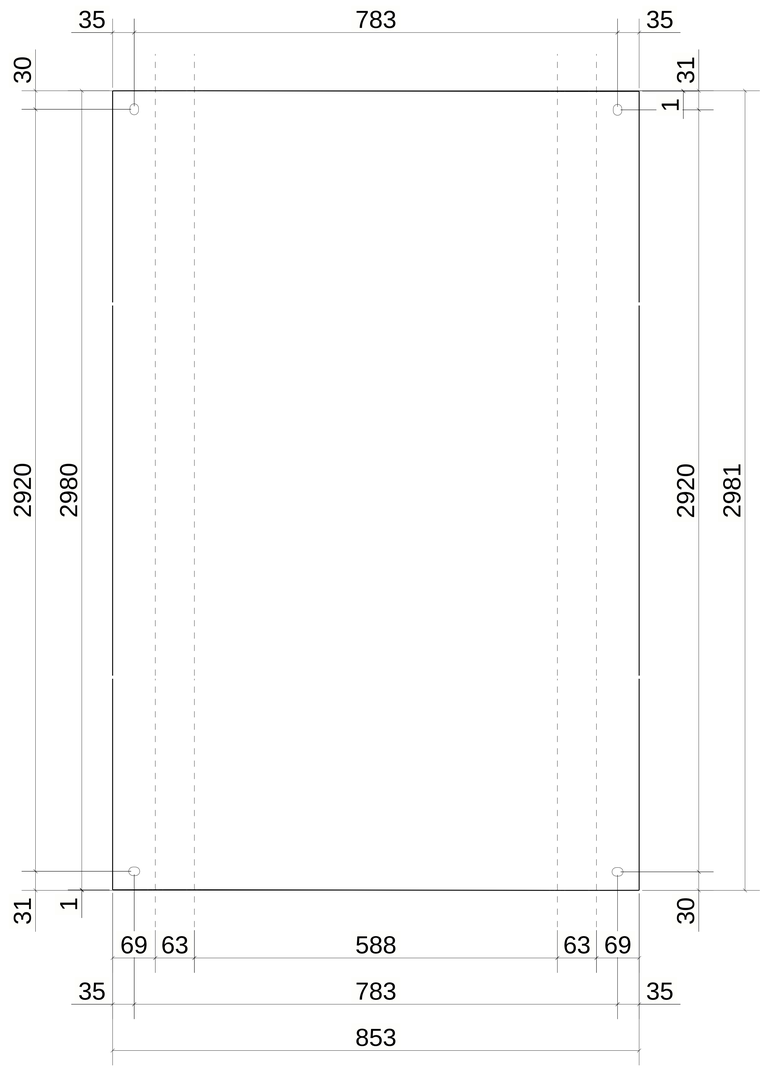
QTY.	Mark
1	01-03B2-S10

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

MATERIAL LIST FOR ASSEMBLY MK'DW23-S1

Mark	Profile	GRADE	No.	Length	Area	Weight
S1	CHQ5*2980.0	S235JR	1	853	5.12	104.36
				Total	5.12	104.36



UNFOLDED VIEW

1 *REQUIRED AS DRAWN MARKED* W23-S1/60x7.5

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
3	
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Consultant: Hill International | Main Contractor: ORASCOM CONSTRUCTION, BOMBARDIER | Structural Designer: INNOVA TRANSPORTATION

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-23

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93	M047	3ACC	60L01	DWG	30040	B

Data Structures

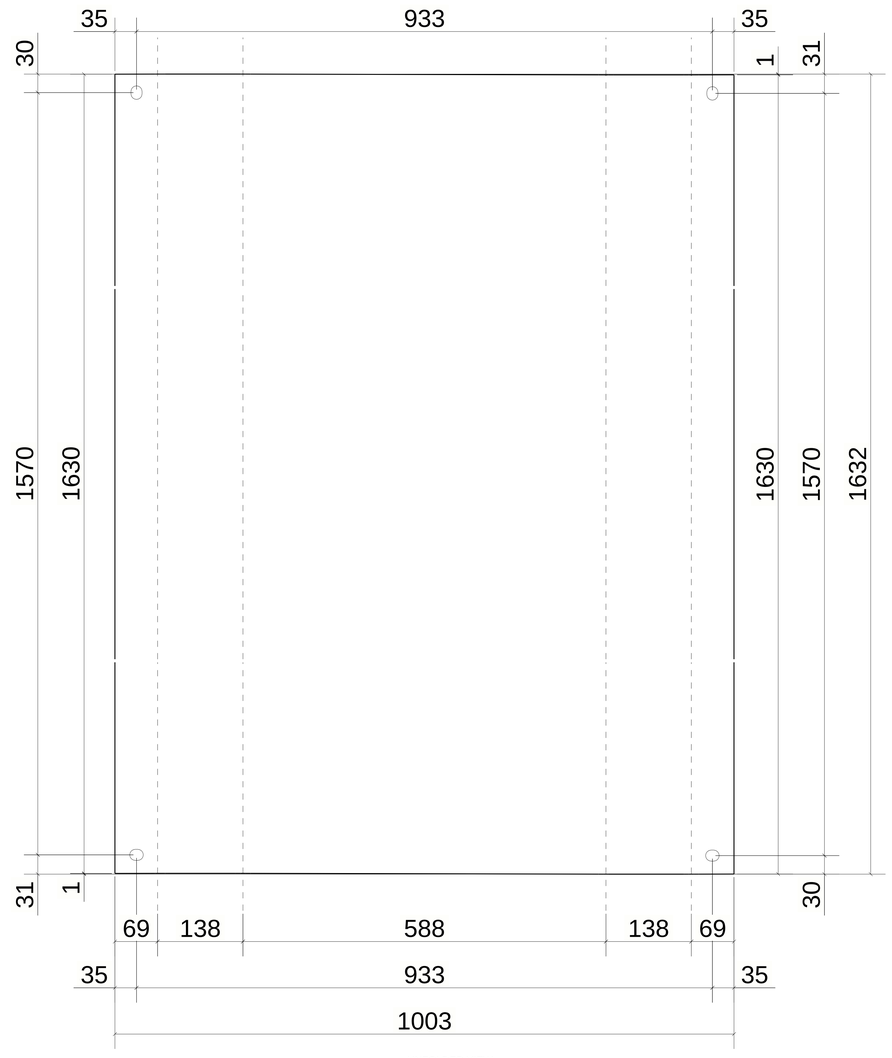
QTY.	Mark
1	01-03B2-S11

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

MATERIAL LIST FOR ASSEMBLY MK'DW25-E4

Mark	Profile	GRADE	No.	Length	Area	Weight
E4	CHQ5*1632.0	S235JR	1	1003	3.29	67.18
				Total	3.29	67.18



UNFOLDED VIEW

1 *REQUIRED AS DRAWN MARKED* W25-E4/60x15

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Hill International Consultant | ORASCOM BOMBARDIER Main Contractor | INNOVA Structural Engineer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-25

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30041	B

Tekla Structures

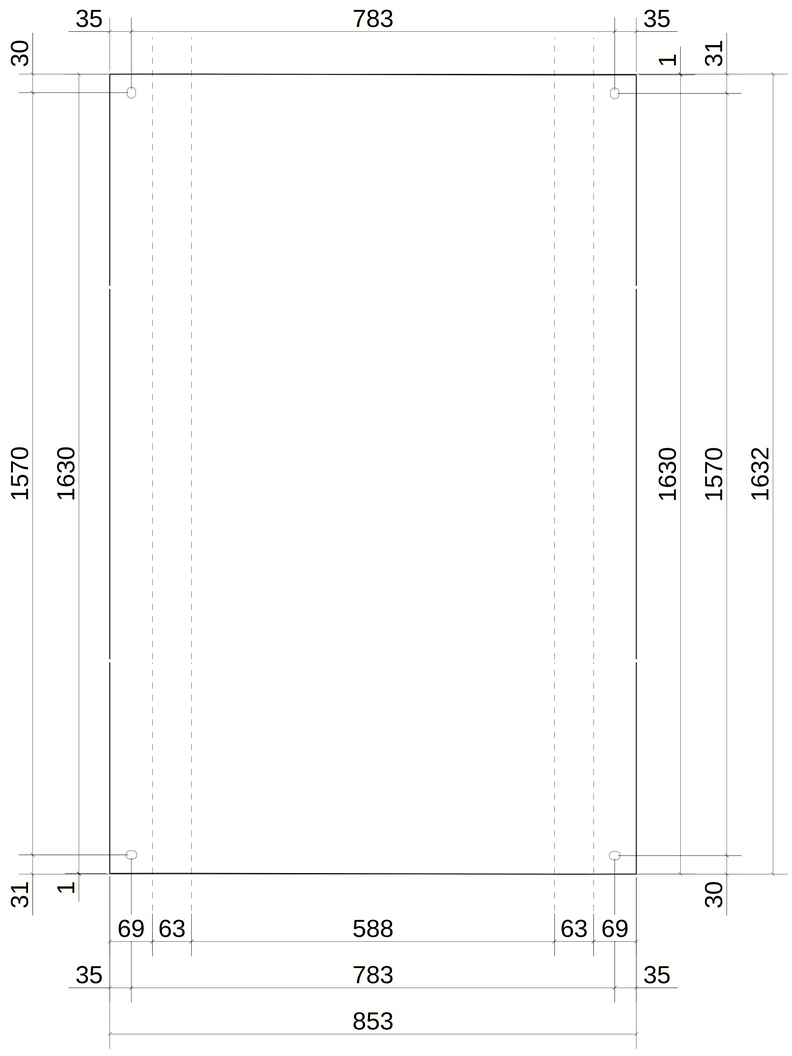
QTY.	Mark
1	01-03B2-S11

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

MATERIAL LIST FOR ASSEMBLY MK'DW26-S2

Mark	Profile	GRADE	No.	Length	Area	Weight
S2	CHQ5*1632.0	S235JR	1	853	2.80	57.09
				Total	2.80	57.09



UNFOLDED VIEW

1 *REQUIRED AS DRAWN MARKED* W26-S2/60x7.5

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Hill International Consultant | ORASCOM / BOMBARDIER Main Contractor | INNOVA Structural Engineer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-26

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30042	B

Tekla Structures

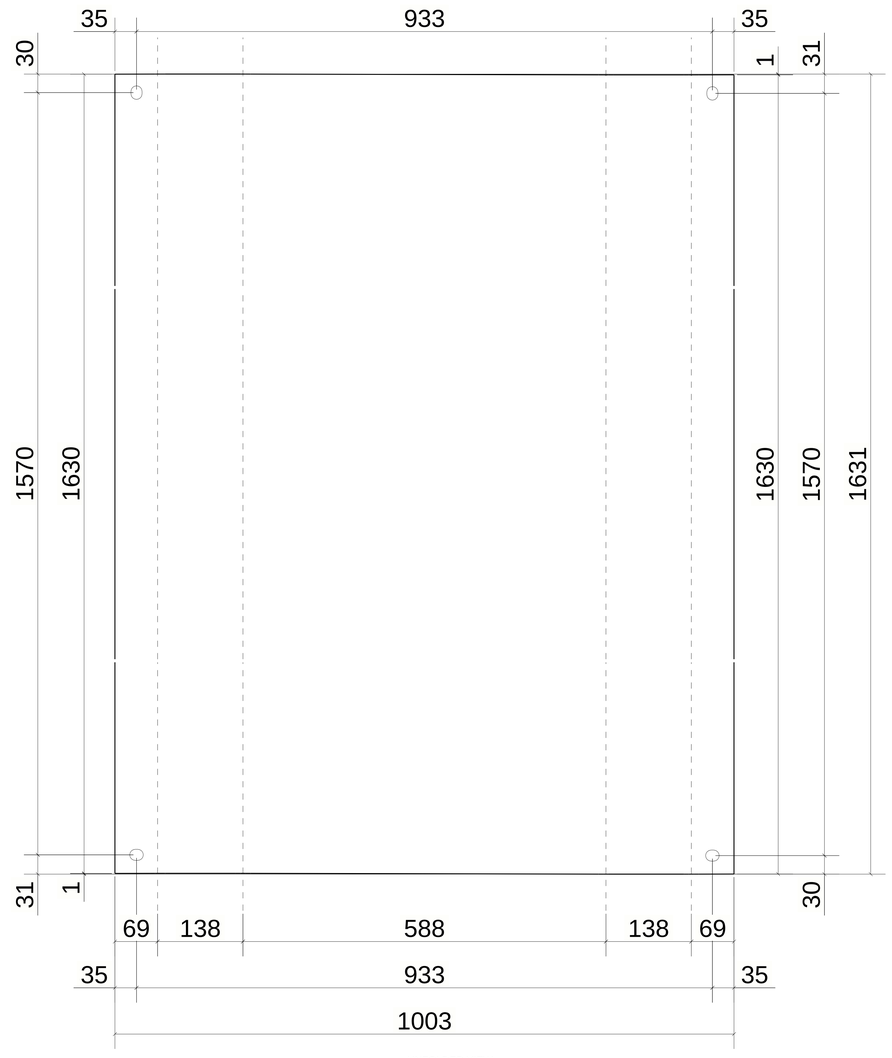
QTY.	Mark
1	01-03B2-S11

REVIEWED WITH COMMENT MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

MATERIAL LIST FOR ASSEMBLY MK'D W27-E1

Mark	Profile	GRADE	No.	Length	Area	Weight
E1	CHQ5*1632.0	S235JR	1	1003	3.29	67.18
				Total	3.29	67.18



UNFOLDED VIEW

1 *REQUIRED AS DRAWN MARKED* W27-E1/60x15

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Hill International Consultant | ORASCOM BOMBARDIER Main Contractor | INNOVA TRANSPORTATION Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-27

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30043	B

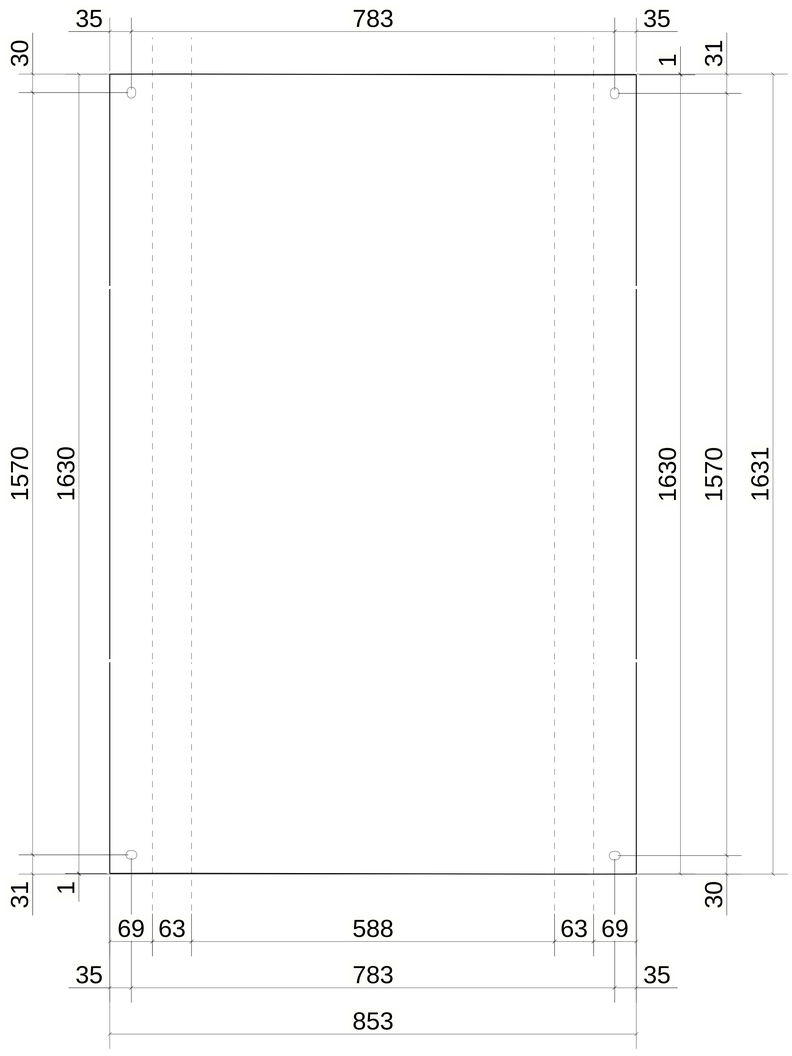
Tekla Structures

QTY.	Mark
1	01-03B2-S11

MATERIAL LIST FOR ASSEMBLY MK'D W28-S1						
Mark	Profile	GRADE	No.	Length	Area	Weight
S1	CHQ5*1632.0	S235JR	1	853	2.80	57.09
				Total	2.80	57.09

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing



UNFOLDED VIEW

1 *REQUIRED AS DRAWN MARKED* W28-S1/60x7.5

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority — Hill International Consultant — Main Contractor — Structural Designer

KEY PLAN:

6 October Monorail
Engineering Unit
Valid For Construction

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-28

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30044	B

Tekla Structures

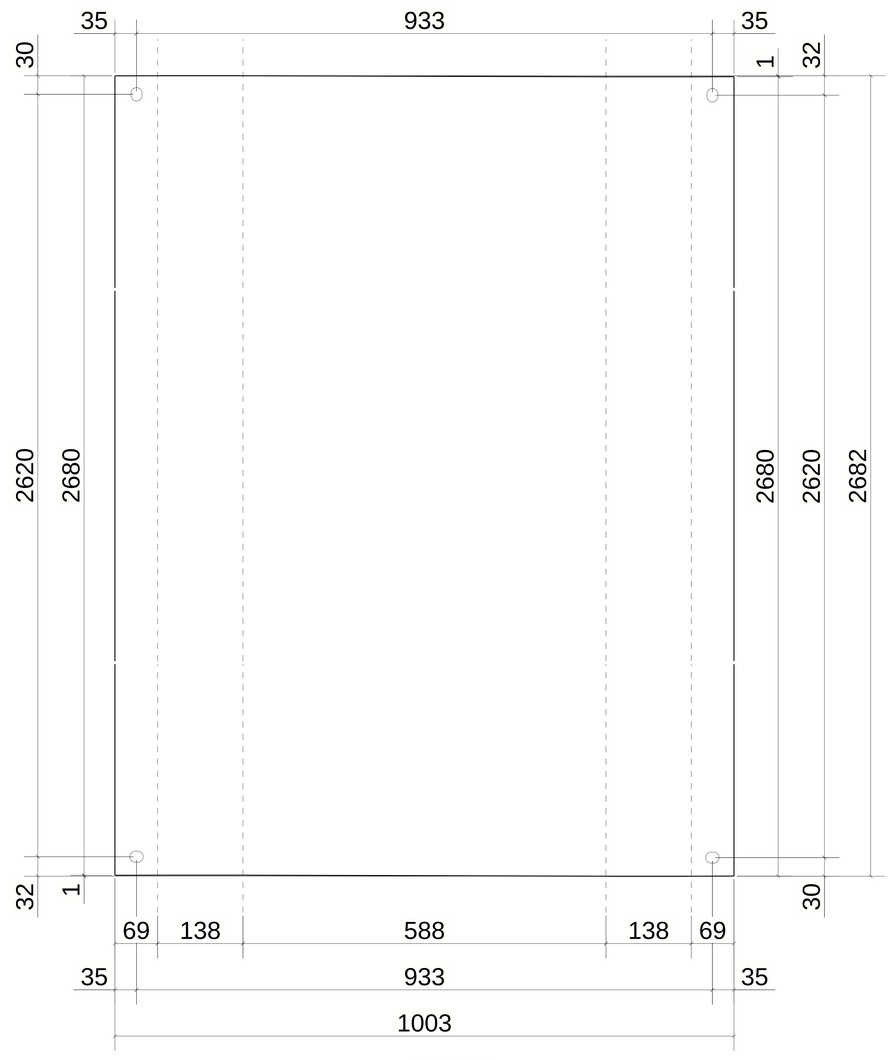
QTY.	Mark
1	01-03B3-S01

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

MATERIAL LIST FOR ASSEMBLY MK'DW29-E4

Mark	Profile	GRADE	No.	Length	Area	Weight
E4	CHQ5*2682.0	S235JR	1	1003	5.41	110.44
				Total	5.41	110.44



UNFOLDED VIEW

1 *REQUIRED AS DRAWN MARKED* W29-E4/60x15

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Consultant: Hill International | Main Contractor: ORASCOM CONSTRUCTION, BOMBARDIER, The Arab Contractors | Structural Designer: INNOVA TRANSPORTATION

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV.	DATE	DSG.	CHK.	APP.	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-29

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	047	3ACC	60L01	DWG	30045	B

Dar Al Handasah Shair and Partners

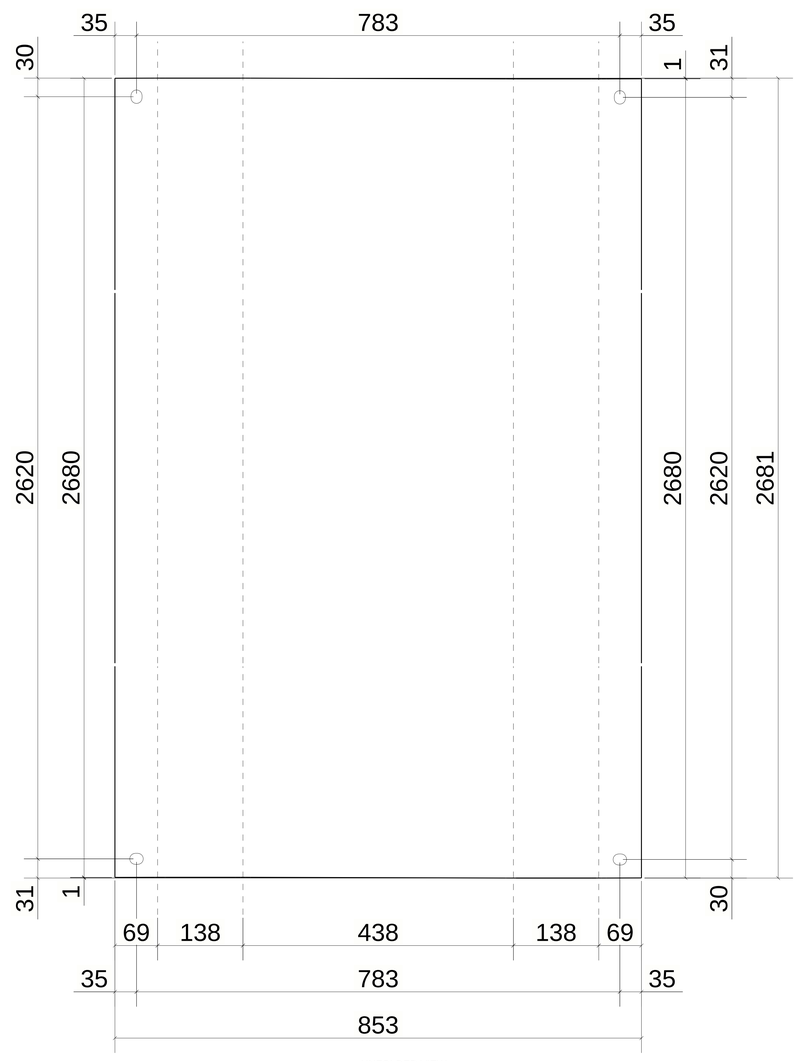
QTY.	Mark
1	01-03B3-S01

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

MATERIAL LIST FOR ASSEMBLY MK'DW30-E3

Mark	Profile	GRADE	No.	Length	Area	Weight
E3	CHQ5*2682.0	S235JR	1	853	4.60	93.85
				Total	4.60	93.85



UNFOLDED VIEW

1 *REQUIRED AS DRAWN MARKED* W30-E3/45x15

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Hill International Consultant | Main Contractor | Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV.	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-30

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	047	3ACC	60L01	DWG	30046	B

Dora Structures

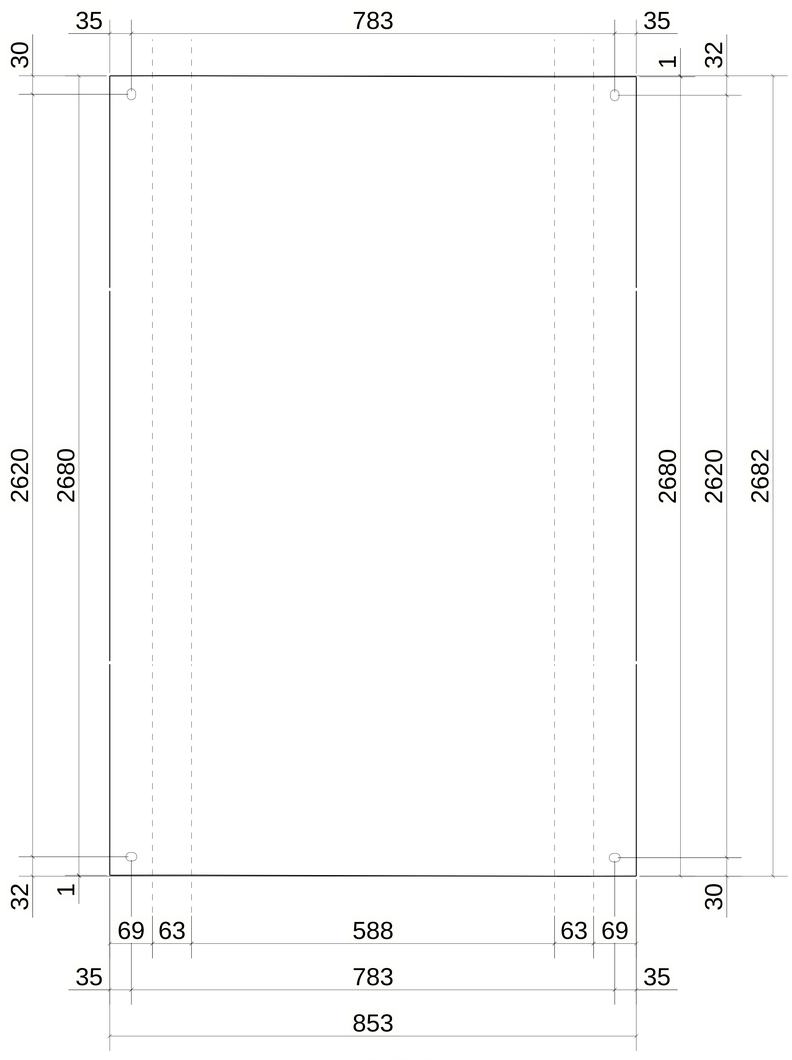
QTY.	Mark
1	01-03B3-S01

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

MATERIAL LIST FOR ASSEMBLY MK'DW31-S2

Mark	Profile	GRADE	No.	Length	Area	Weight
S2	CHQ5*2682.0	S235JR	1	853	4.60	93.86
				Total	4.60	93.86



UNFOLDED VIEW

1 *REQUIRED AS DRAWN MARKED* W31-S2/60x7.5

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Hill International Consultant | Main Contractor | Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV.	DATE	DSG.	CHK.	APP.	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-31

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	047	3ACC	60L01	DWG	30047	B

Dar Al Handasah Shair and Partners

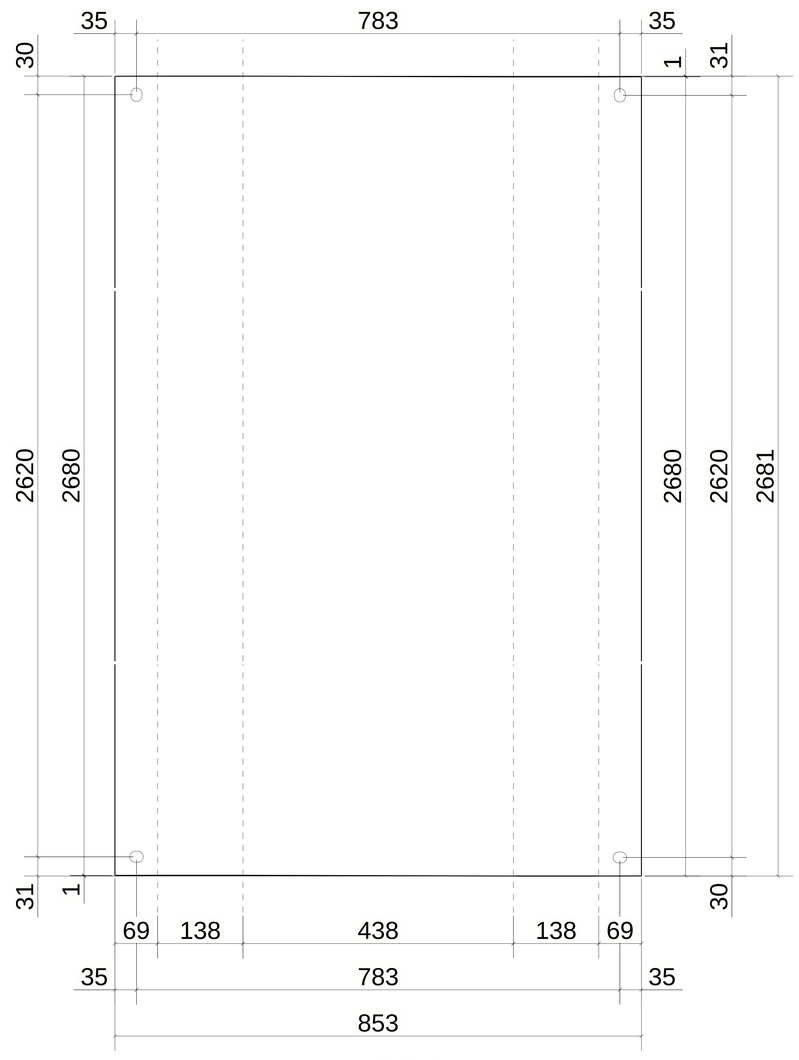
QTY.	Mark
1	01-03B3-S01

MATERIAL LIST FOR ASSEMBLY MK'D W32-E2

Mark	Profile	GRADE	No.	Length	Area	Weight
E2	CHQ5*2682.0	S235JR	1	853	4.60	93.85
				Total	4.60	93.85

REVIEWED WITH COMMENT MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing



UNFOLDED VIEW

1 *REQUIRED AS DRAWN MARKED* W32-E2/45x15

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Hill International Consultant | ORASCOM BOMBARDIER Main Contractor | INNOVA TRANSPORTATION Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-32

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30048	B

Tekla Structures

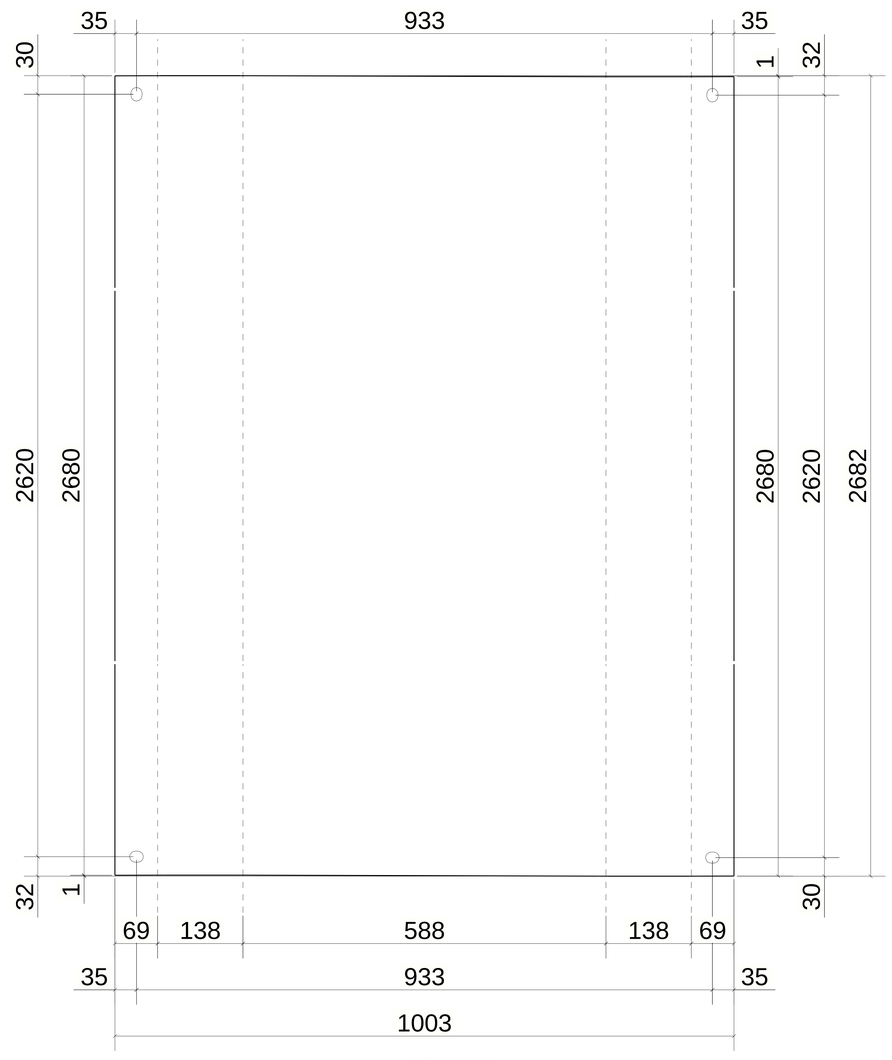
QTY.	Mark
1	01-03B3-S01

MATERIAL LIST FOR ASSEMBLY MK'D W33-E1

Mark	Profile	GRADE	No.	Length	Area	Weight
E1	CHQ5*2682.0	S235JR	1	1003	5.41	110.43
				Total	5.41	110.43

REVIEWED WITH COMMENT MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing



UNFOLDED VIEW

1 *REQUIRED AS DRAWN MARKED* W33-E1/60x15

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
3	
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Hill International Consultant | ORASCOM BOMBARDIER Main Contractor | INNOVA TRANSPORTATION Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-33

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30049	B

Tekla Structures

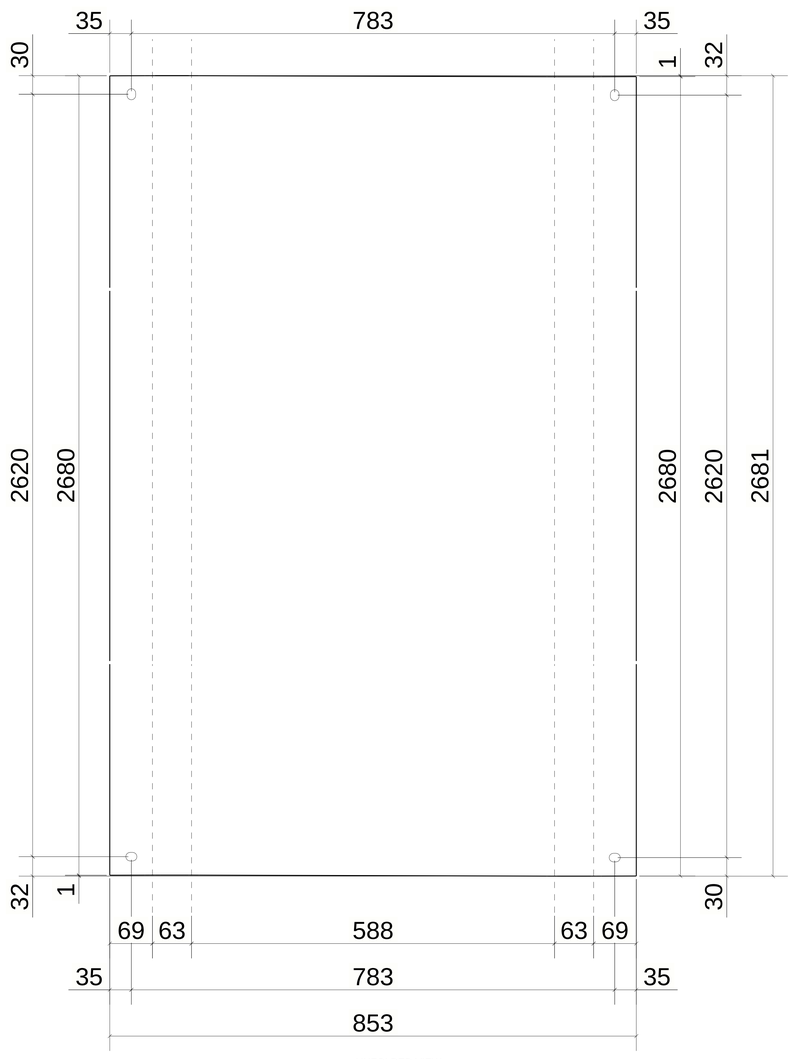
QTY.	Mark
1	01-03B3-S01

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

MATERIAL LIST FOR ASSEMBLY MK'DW34-S1

Mark	Profile	GRADE	No.	Length	Area	Weight
S1	CHQ5*2682.0	S235JR	1	853	4.60	93.85
				Total	4.60	93.85



UNFOLDED VIEW

1 *REQUIRED AS DRAWN MARKED* W34-S1/60x7.5

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority — Hill International Consultant — Main Contractor — Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV.	DATE	DSG.	CHK.	APP.	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-34

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93	M047	3ACC	60L01	DWG	30050	B

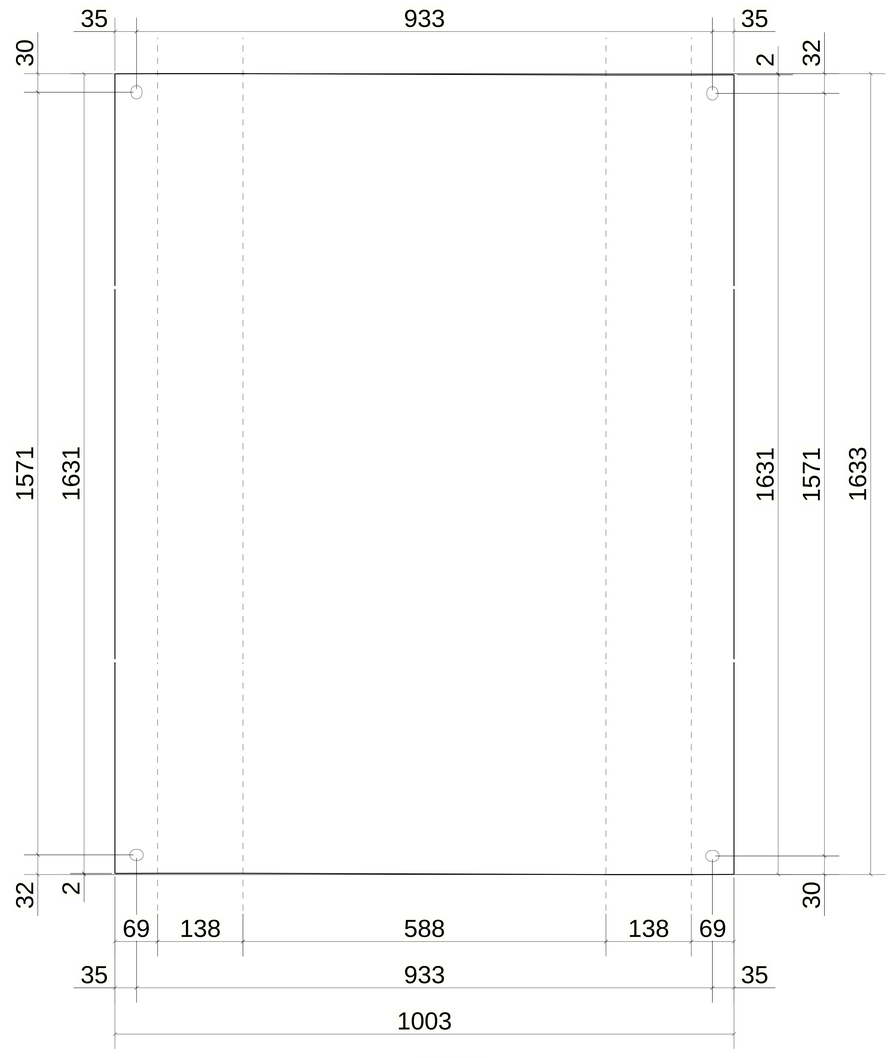
Dar Al Handasah Shair and Partners

QTY.	Mark
1	01-03B3-S02

MATERIAL LIST FOR ASSEMBLY MK'D W35-E4						
Mark	Profile	GRADE	No.	Length	Area	Weight
E4	CHQ5*1632.0	S235JR	1	1003	3.30	67.20
				Total	3.30	67.20

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing



UNFOLDED VIEW

1 *REQUIRED AS DRAWN MARKED* W35-E4/60x15

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Hill International Consultant | ORASCOM / BOMBARDIER Main Contractor | INNOVA TRANSPORTATION Structural Designer

KEY PLAN:

6 October Monorail
Engineering Unit
Valid For Construction

SCALE: AS SHOWN | SHOPDRAWING | DATE: 28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-35

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30051	B

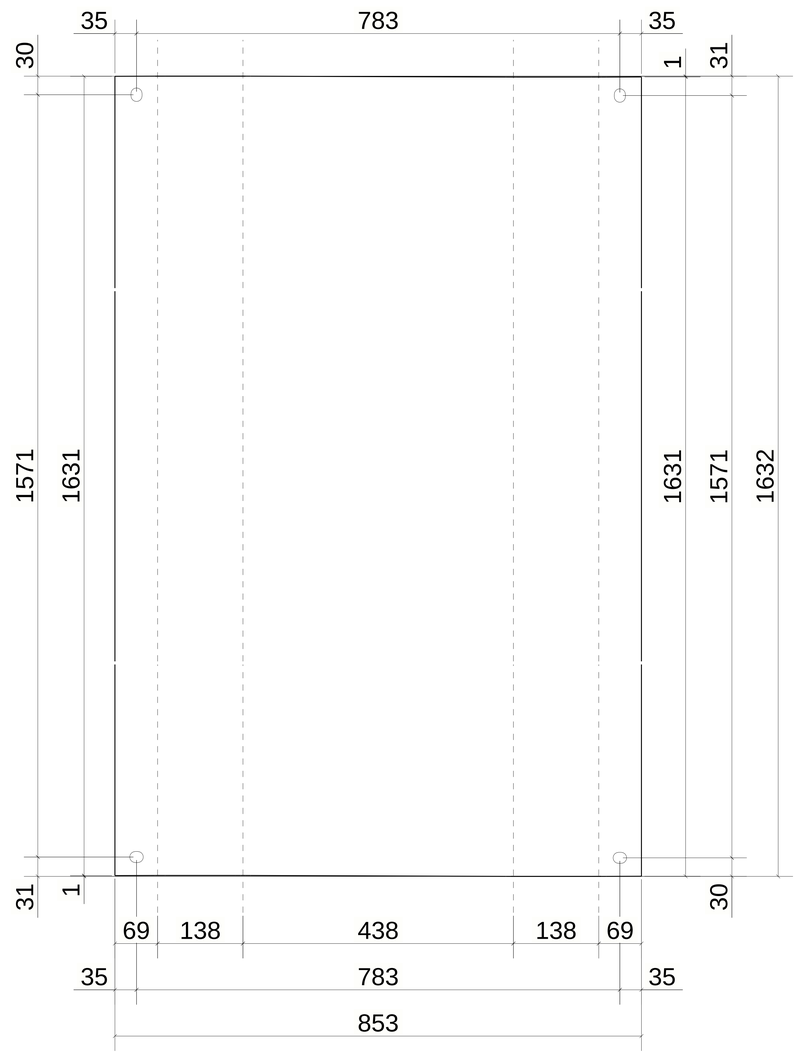
Tekla Structures

QTY.	Mark
1	01-03B3-S02

MATERIAL LIST FOR ASSEMBLY MK'D W36-E3						
Mark	Profile	GRADE	No.	Length	Area	Weight
E3	CHQ5*1632.0	S235JR	1	853	2.80	57.11
				Total	2.80	57.11

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing



UNFOLDED VIEW

1 *REQUIRED AS DRAWN MARKED* W36-E3/45x15

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
3	
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Consultant: Hill International | Main Contractor: ORASCOM CONSTRUCTION, BOMBARDIER | Structural Designer: INNOVA TRANSPORTATION

KEY PLAN:

6 October Monorail
Engineering Unit
Valid For Construction

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-36

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30052	B

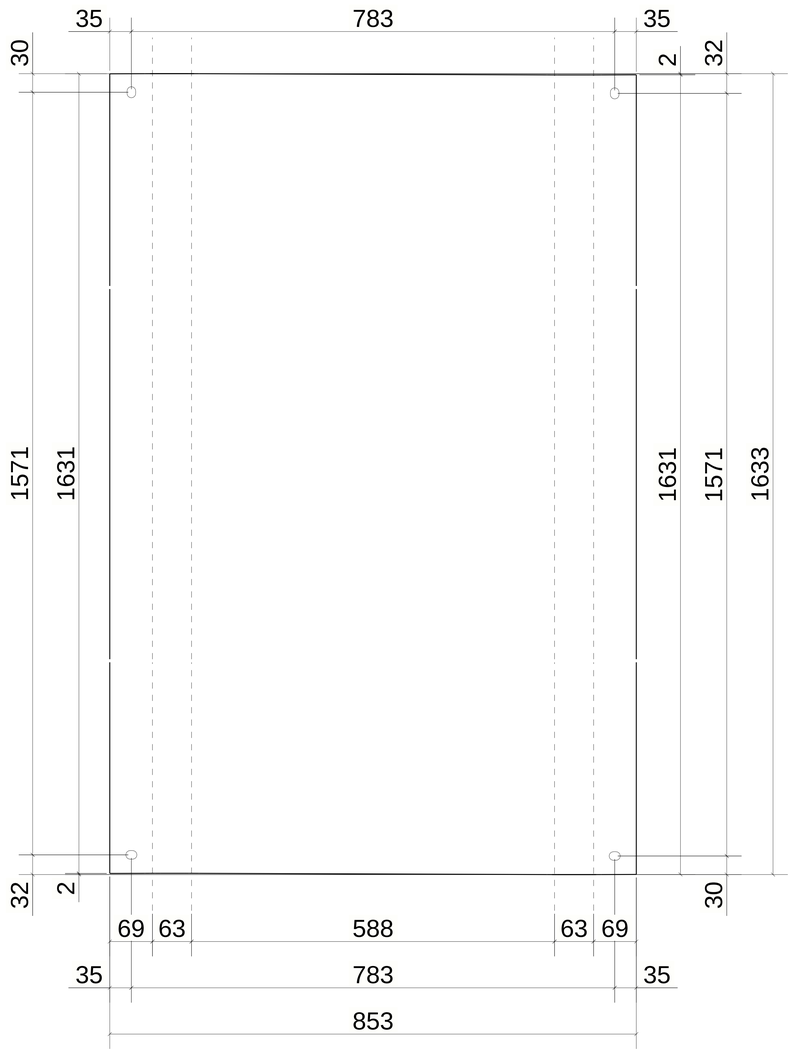
Tekla Structures

QTY.	Mark
1	01-03B3-S02

MATERIAL LIST FOR ASSEMBLY MK'D W37-S2						
Mark	Profile	GRADE	No.	Length	Area	Weight
S2	CHQ5*1632.0	S235JR	1	853	2.80	57.11
				Total	2.80	57.11

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing



UNFOLDED VIEW

1 *REQUIRED AS DRAWN MARKED* W37-S2/60x7.5

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Hill International Consultant | ORASCOM / BOMBARDIER Main Contractor | INNOVA TRANSPORTATION Structural Designer

KEY PLAN:

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

SCALE: AS SHOWN | SHOPDRAWING | DATE: 28.04.2024

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-37

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30053	B

Trakk Solutions

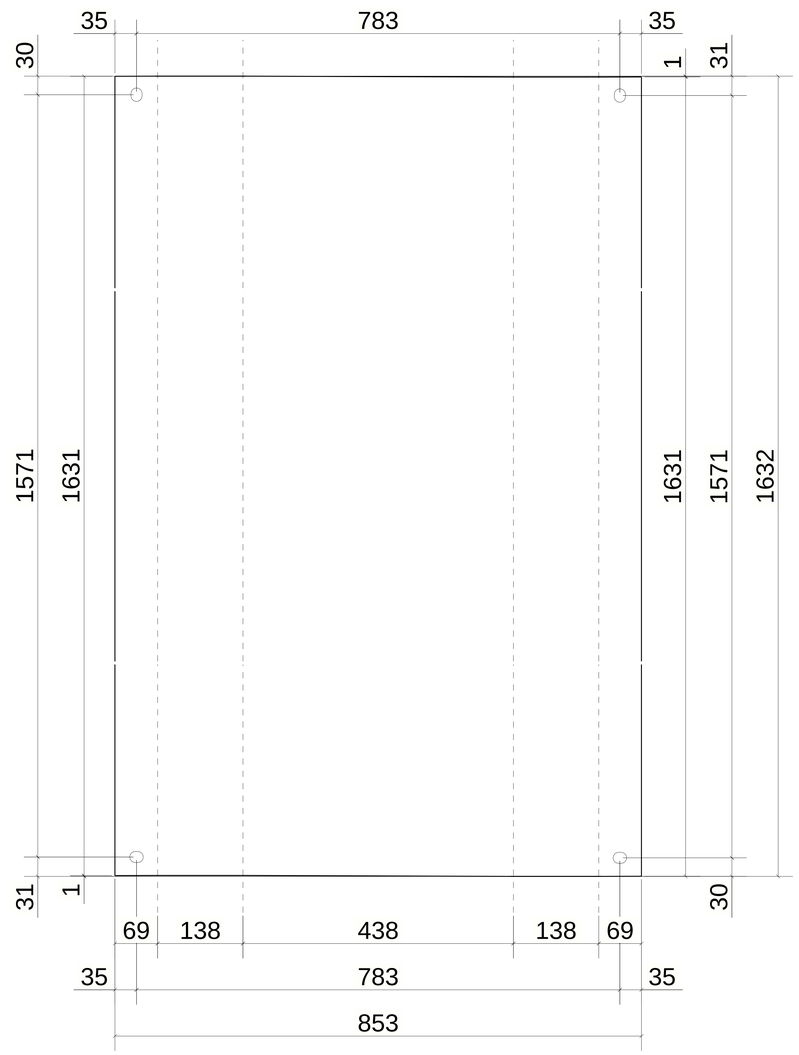
QTY.	Mark
1	01-03B3-S02

MATERIAL LIST FOR ASSEMBLY MK'D W38-E2

Mark	Profile	GRADE	No.	Length	Area	Weight
E2	CHQ5*1632.0	S235JR	1	853	2.80	57.11
				Total	2.80	57.11

REVIEWED WITH COMMENT MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing



UNFOLDED VIEW

1 *REQUIRED AS DRAWN MARKED* W38-E2/45x15

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Hill International Consultant | ORASCOM BOMBARDIER Main Contractor | INNOVA TRANSPORTATION Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-38

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30054	B

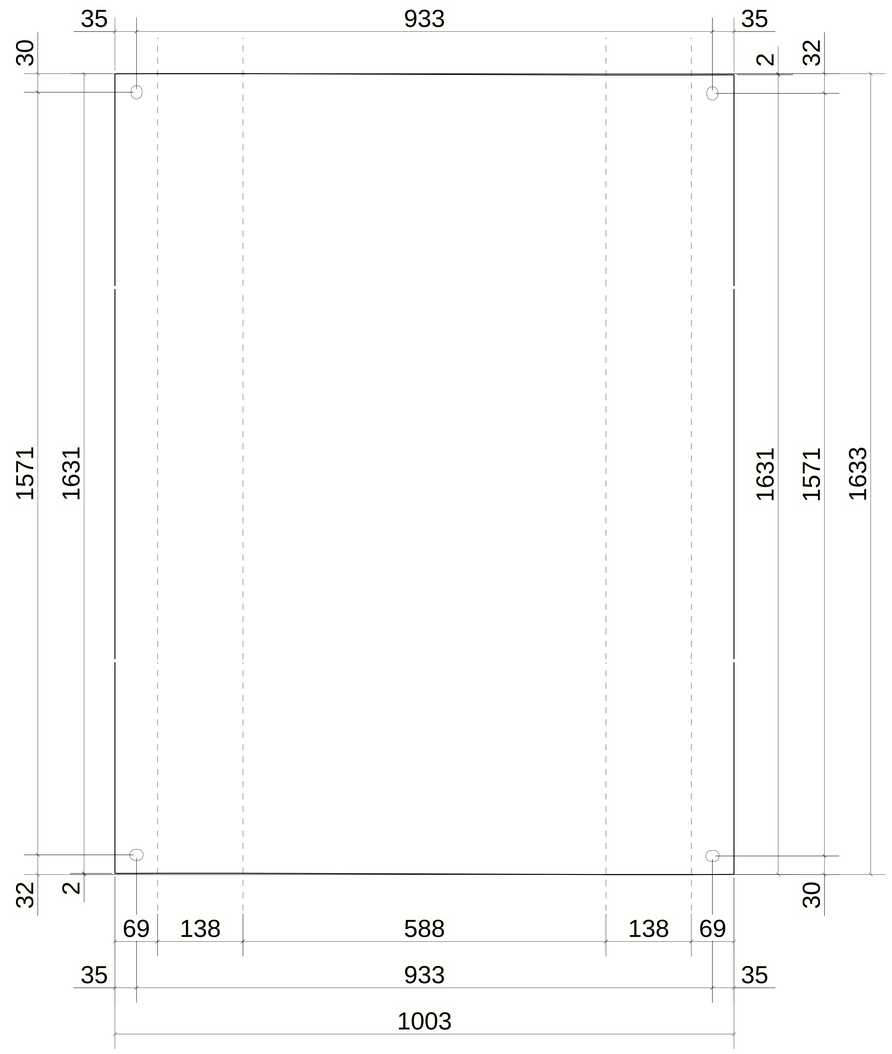
Tekla Structures

QTY.	Mark
1	01-03B3-S02

MATERIAL LIST FOR ASSEMBLY MK'D W39-E1						
Mark	Profile	GRADE	No.	Length	Area	Weight
E1	CHQ5*1632.0	S235JR	1	1003	3.30	67.20
				Total	3.30	67.20

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing



UNFOLDED VIEW

1 *REQUIRED AS DRAWN MARKED* W39-E1/60x15

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Hill International Consultant | ORASCOM / BOMBARDIER Main Contractor | INNOVA TRANSPORTATION Structural Designer

KEY PLAN:

6 October Monorail
Engineering Unit
Valid For Construction

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-39

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30055	B

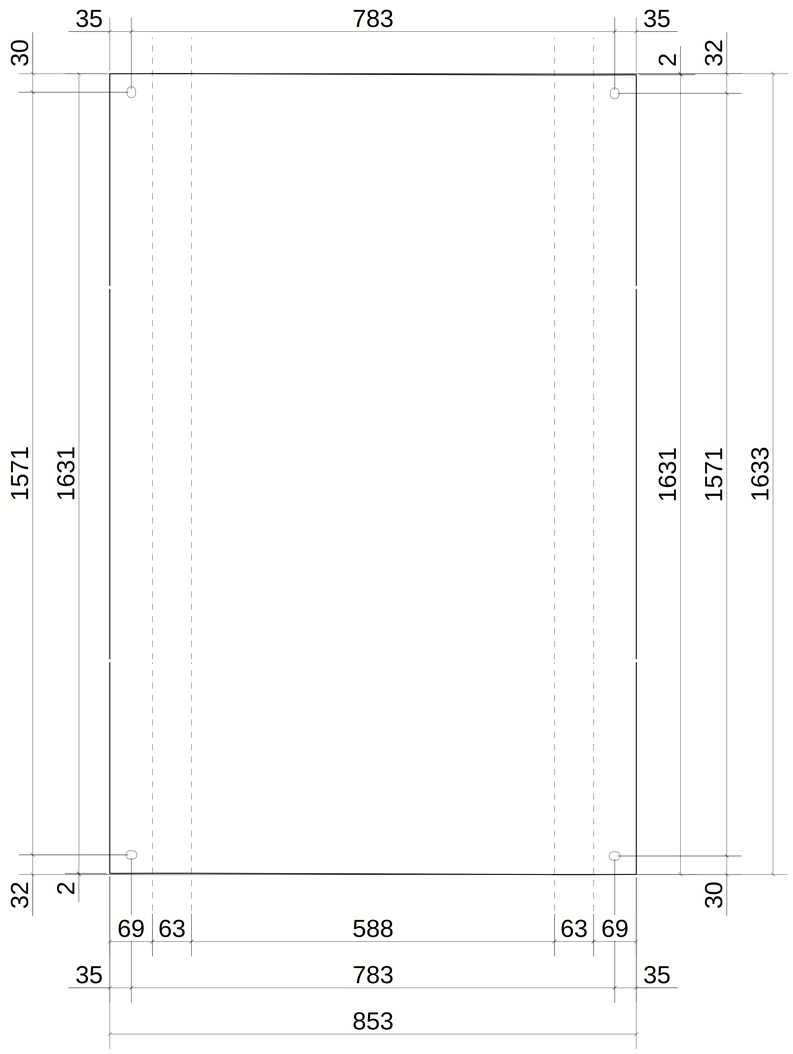
Tekla Structures

QTY.	Mark
1	01-03B3-S02

MATERIAL LIST FOR ASSEMBLY MK'D W40-S1						
Mark	Profile	GRADE	No.	Length	Area	Weight
S1	CHQ5*1632.0	S235JR	1	853	2.80	57.11
				Total	2.80	57.11

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing



UNFOLDED VIEW

1 *REQUIRED AS DRAWN MARKED* W40-S1/60x7.5

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Hill International Consultant | ORASCOM / BOMBARDIER Main Contractor | INNOVA TRANSPORTATION Structural Designer

KEY PLAN:

SCALE: AS SHOWN | SHOPDRAWING | DATE: 28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-40

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30056	B

Tekla Structures

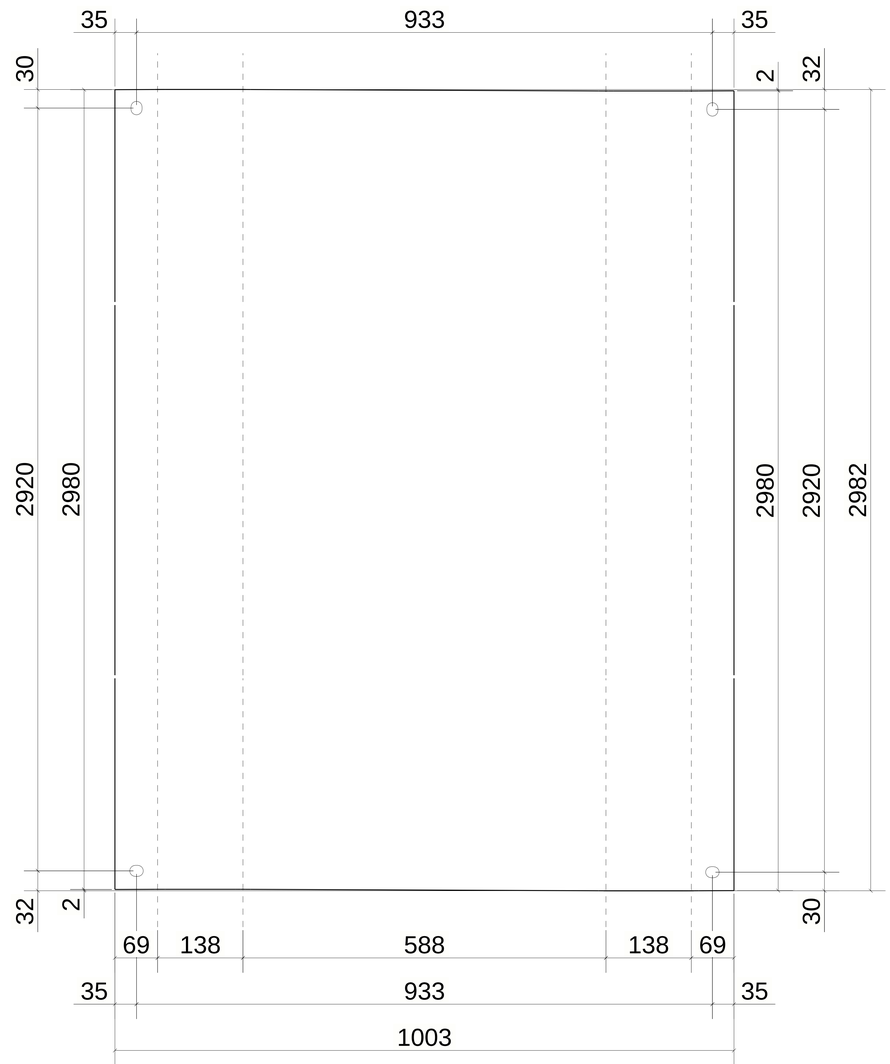
QTY.	Mark
1	01-03B3-S03
1	01-03B3-S04
1	01-03B3-S05

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

MATERIAL LIST FOR ASSEMBLY MK'DW41-E4

Mark	Profile	GRADE	No.	Length	Area	Weight
E4	CHQ5*2982.0	S235JR	1	1003	6.01	122.80
				Total	6.01	122.80



UNFOLDED VIEW

3 *REQUIRED AS DRAWN MARKED* W41-E4/60x15

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Consultant: Hill International | Main Contractor: ORASCOM CONSTRUCTION, BOMBARDIER | Structural Designer: INNOVA TRANSPORTATION

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		23/4/2024

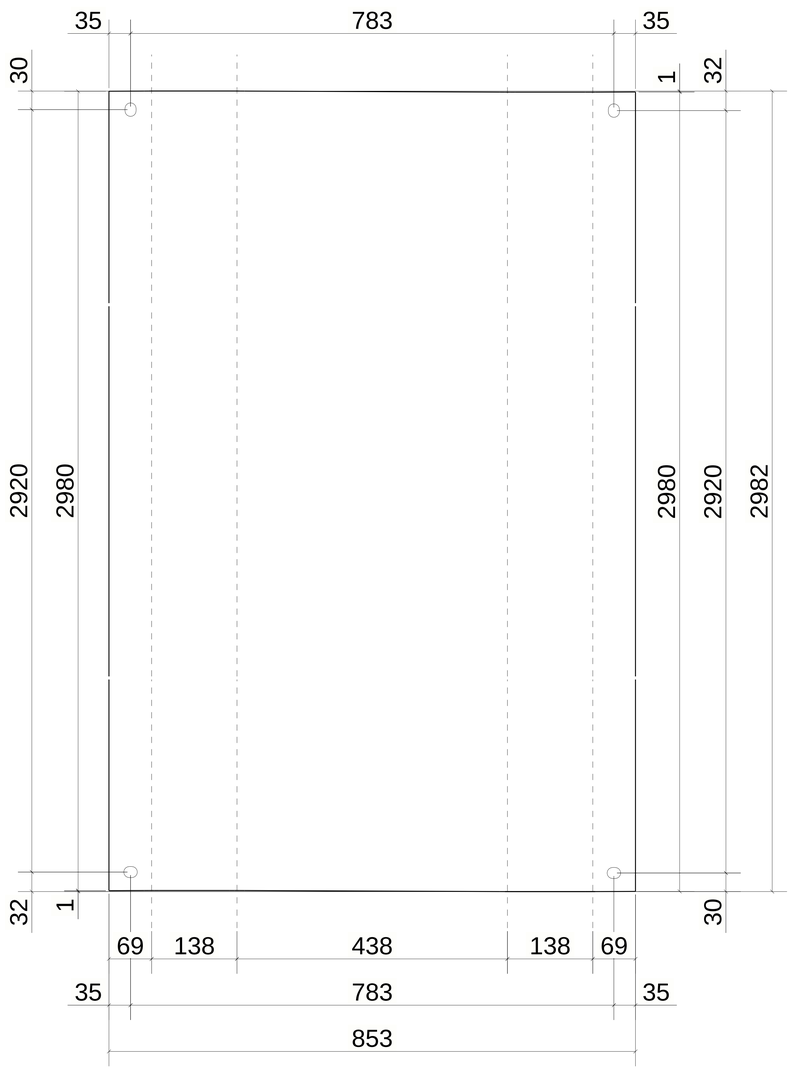
REV.	DATE	DSG.	CHK.	APP.	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-41

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30057	B

Hill Structures

QTY.	Mark
1	01-03B3-S03
1	01-03B3-S04
1	01-03B3-S05



UNFOLDED VIEW

MATERIAL LIST FOR ASSEMBLY MK'DW42-E3

Mark	Profile	GRADE	No.	Length	Area	Weight
E3	CHQ5*2982.0	S235JR	1	853	5.12	104.36
				Total	5.12	104.36

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

3 *REQUIRED AS DRAWN MARKED* W42-E3/45x15

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Consultant: Hill International | Main Contractor: ORASCOM CONSTRUCTION / BOMBARDIER | Structural Designer: INNOVA TRANSPORTATION

KEY PLAN:

6 October Monorail
Engineering Unit
Valid For Construction

SCALE	SHOPDRAWING	DATE
AS SHOWN		28/4/2024

REV.	DATE	DSG.	CHK.	APP.	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-42

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30058	B

Hill Structures

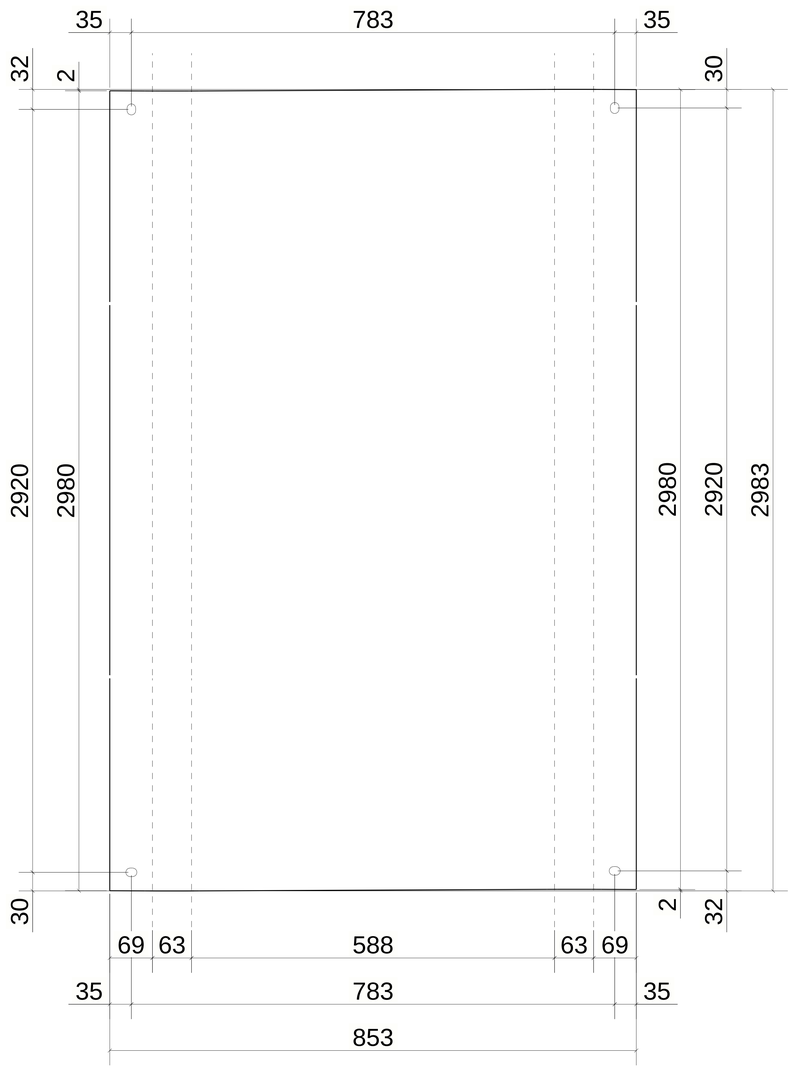
QTY.	Mark
1	01-03B3-S03
1	01-03B3-S05

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

MATERIAL LIST FOR ASSEMBLY MK'D W43-S2

Mark	Profile	GRADE	No.	Length	Area	Weight
S2	CHQ5*2982.0	S235JR	1	853	5.12	104.36
				Total	5.12	104.36



UNFOLDED VIEW

2 *REQUIRED AS DRAWN MARKED* W43-S2/60x7.5

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
3	
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority — Hill International Consultant — Main Contractor — Structural Designer

KEY PLAN:

SCALE: AS SHOWN | SHOPDRAWING | DATE: 28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-43

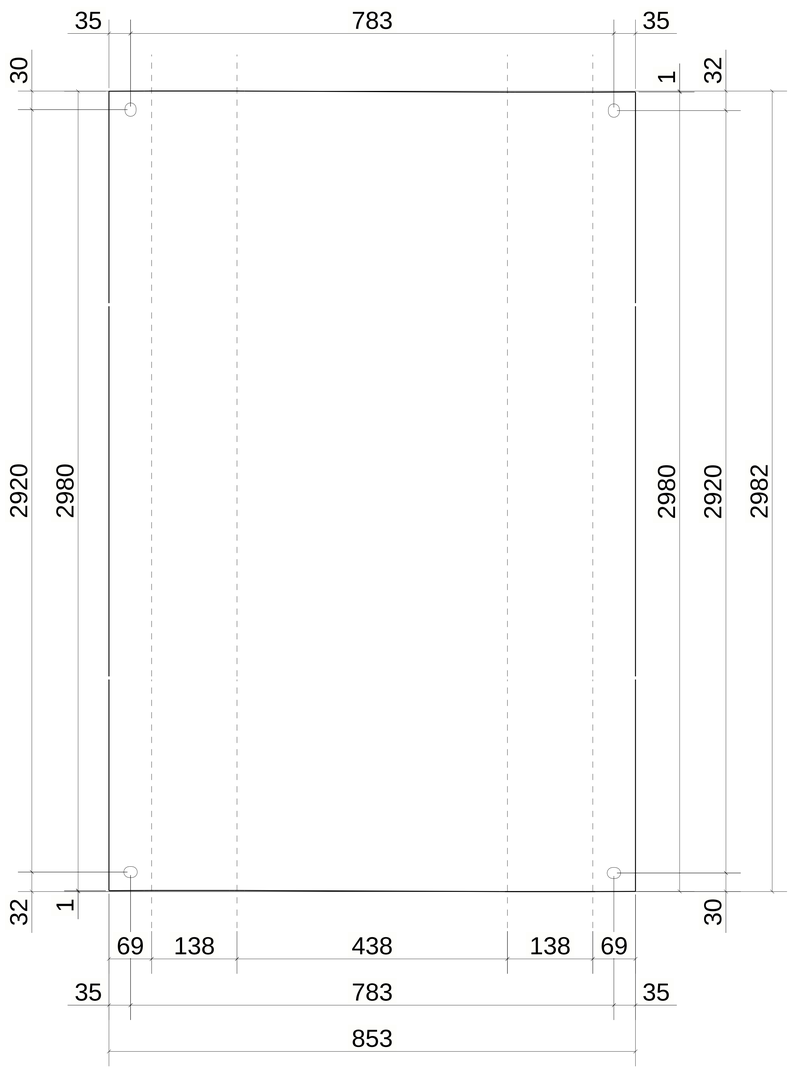
Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	047	3ACC	60L01	DWG	30059	B

Data Structures

QTY.	Mark
1	01-03B3-S03
1	01-03B3-S04
1	01-03B3-S05

MATERIAL LIST FOR ASSEMBLY MK'D W44-E2

Mark	Profile	GRADE	No.	Length	Area	Weight
E2	CHQ5*2982.0	S235JR	1	853	5.12	104.36
				Total	5.12	104.36



UNFOLDED VIEW

REVIEWED WITH COMMENT MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

3 *REQUIRED AS DRAWN MARKED* W44-E2/45x15

6 October Monorail Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
3	
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Hill International Consultant | ORASCOM BOMBARDIER Main Contractor | INNOVA TRANSPORTATION Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-44

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30060	B

Tekla Structures

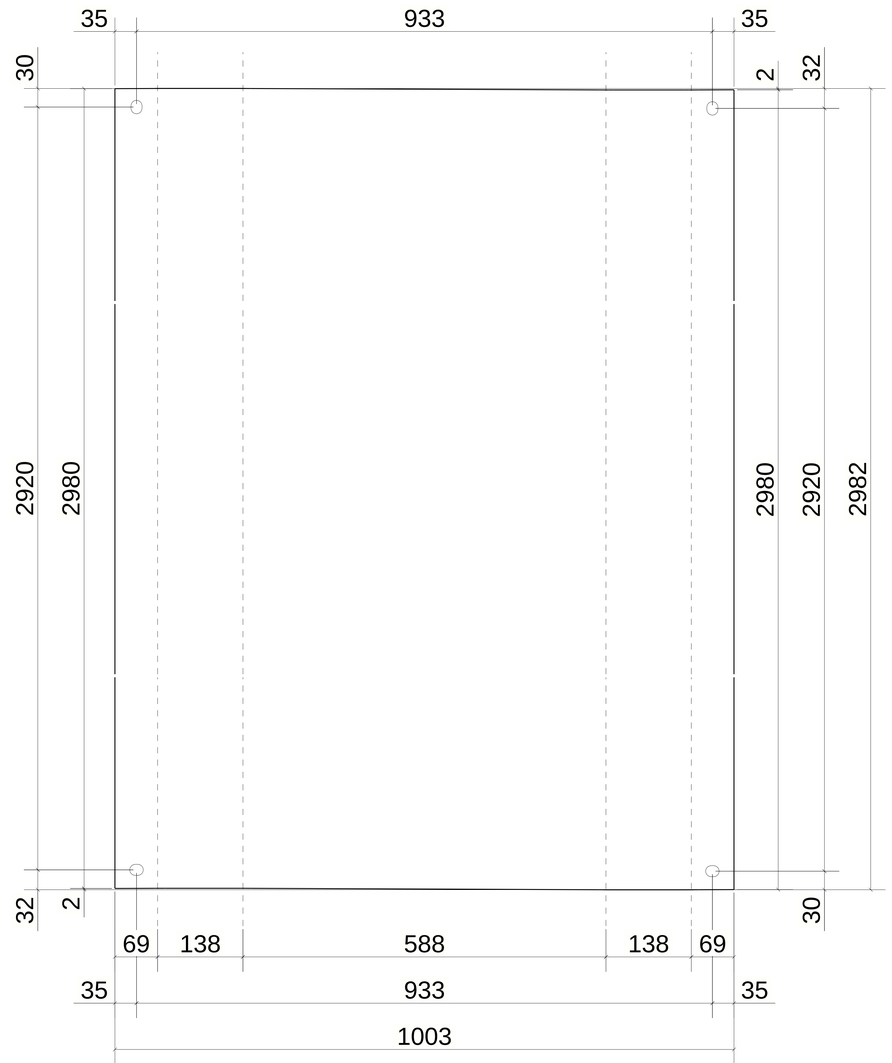
QTY.	Mark
1	01-03B3-S03
1	01-03B3-S04
1	01-03B3-S05

MATERIAL LIST FOR ASSEMBLY MK'D W45-E1

Mark	Profile	GRADE	No.	Length	Area	Weight
E1	CHQ5*2982.0	S235JR	1	1003	6.01	122.80
				Total	6.01	122.80

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing



UNFOLDED VIEW

3 *REQUIRED AS DRAWN MARKED* W45-E1/60x15

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
3	
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority — Consultant — Main Contractor — Structural Designer

KEY PLAN:

6 October Monorail
Engineering Unit
Valid For Construction

SCALE	SHOPDRAWING	DATE
AS SHOWN		23/4/2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-45

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93	M047	3ACC	60L01	DWG	30061	B

Hill Structures

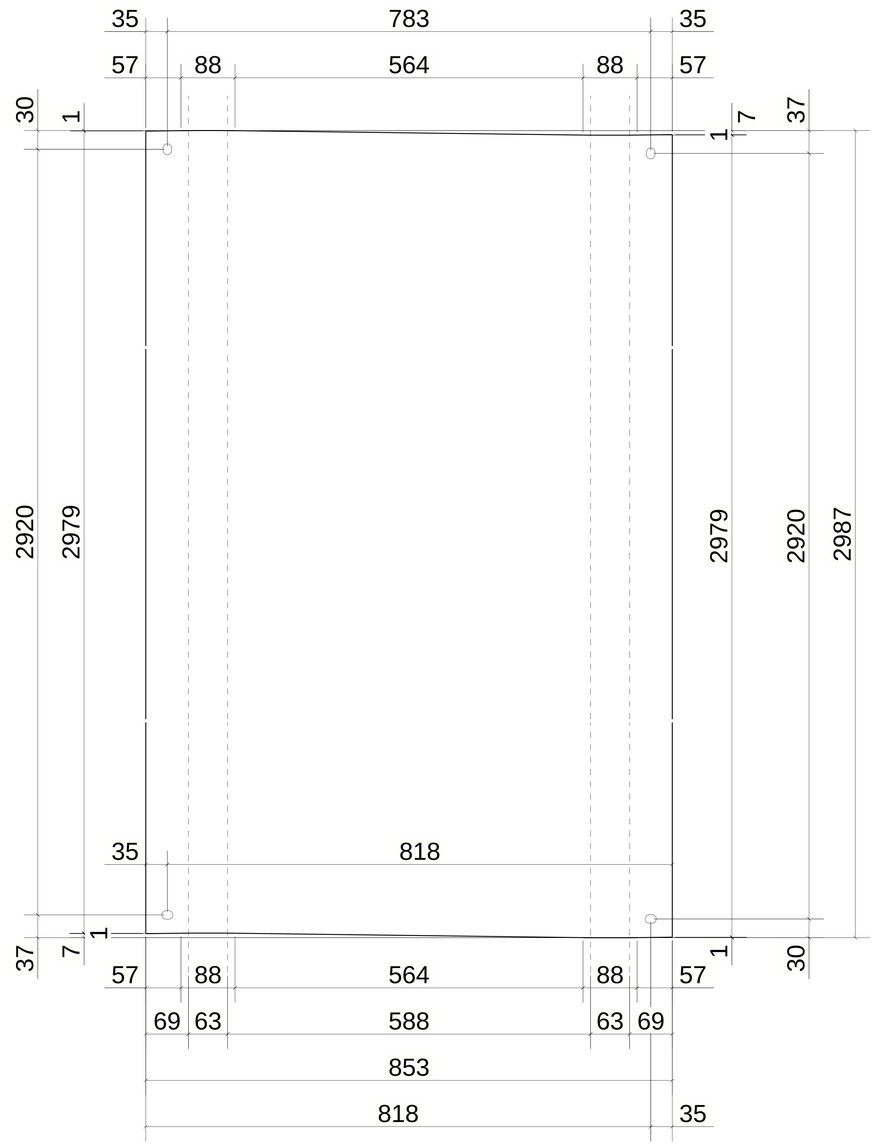
QTY.	Mark
1	01-03B3-S03
1	01-03B3-S05

MATERIAL LIST FOR ASSEMBLY MK'D W46-S1

Mark	Profile	GRADE	No.	Length	Area	Weight
S1	CHQ5*2988.0	S235JR	1	853	5.12	104.37
				Total	5.12	104.37

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing



UNFOLDED VIEW

2 *REQUIRED AS DRAWN MARKED* W46-S1/60x7.5

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
3	
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Consultant: Hill International | Main Contractor: ORASCOM CONSTRUCTION, BOMBARDIER | Structural Designer: INNOVA TRANSPORTATION

KEY PLAN:

6 October Monorail
Engineering Unit
Valid For Construction

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-46

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30062	B

Tekla Structures

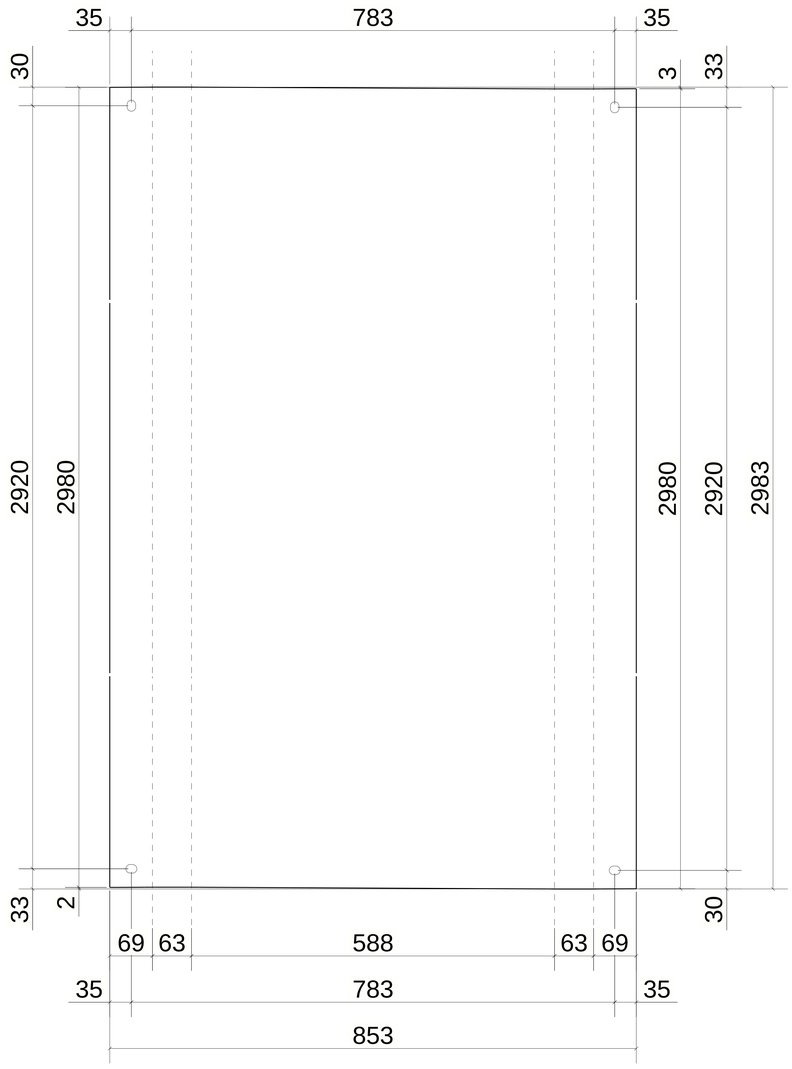
QTY.	Mark
1	01-03B3-S04
1	01-03B3-S07
1	01-03B3-S09
1	01-03B4-S03
1	01-03B4-S05

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

MATERIAL LIST FOR ASSEMBLY MK'D W47-S2

Mark	Profile	GRADE	No.	Length	Area	Weight
S2	CHQ5*2982.0	S235JR	1	853	5.12	104.37
				Total	5.12	104.37



UNFOLDED VIEW

5 *REQUIRED AS DRAWN MARKED* W47-S2/60x7.5

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Hill International Consultant | ORASCOM BOMBARDIER Main Contractor | INNOVA TRANSPORTATION Structural Designer

KEY PLAN:

SCALE: AS SHOWN | SHOPDRAWING | DATE: 28.04.2024

REV.	DATE	DSG.	CHK.	APP.	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-47

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93	M047	ACC60	L01	DWG	30063	B

Trade Secrets

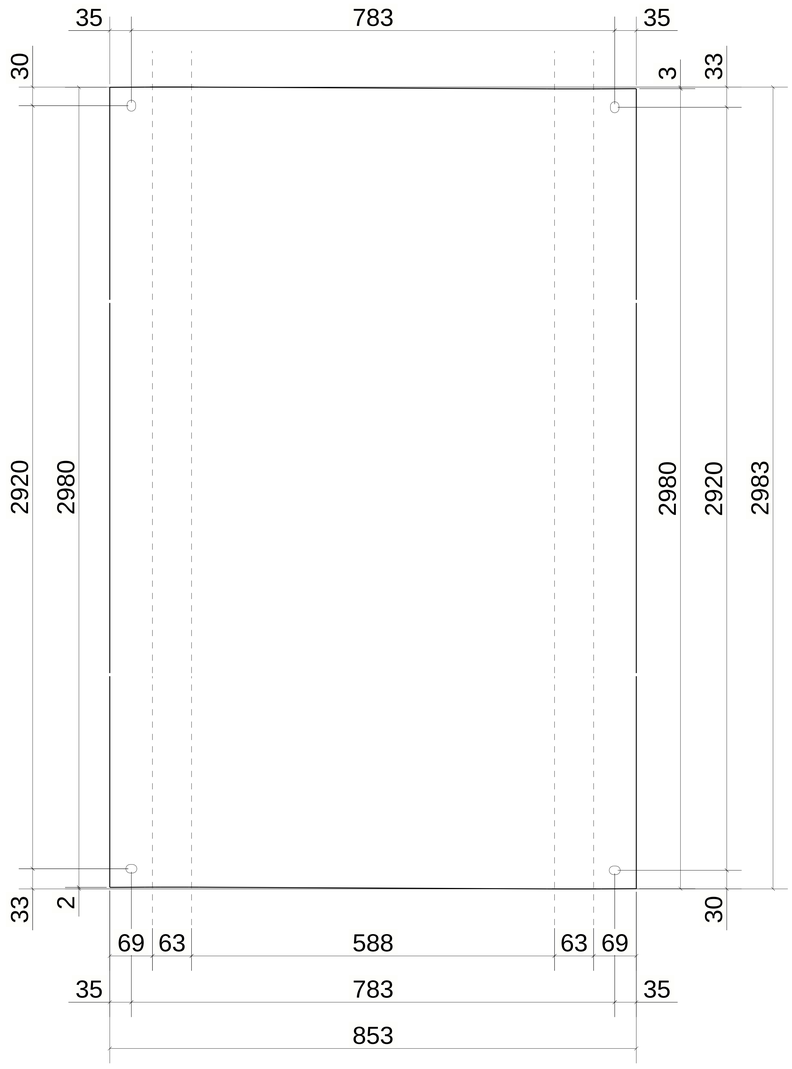
QTY.	Mark
1	01-03B3-S04
1	01-03B3-S07
1	01-03B3-S09
1	01-03B4-S03
1	01-03B4-S05

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

MATERIAL LIST FOR ASSEMBLY MK'D W48-S1

Mark	Profile	GRADE	No.	Length	Area	Weight
S1	CHQ5*2982.0	S235JR	1	853	5.12	104.36
				Total	5.12	104.36



UNFOLDED VIEW

5 *REQUIRED AS DRAWN MARKED* W48-S1/60x7.5

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Consultant: Hill International | Main Contractor: ORASCOM CONSTRUCTION, BOMBARDIER | Structural Designer: INNOVA TRANSPORTATION

KEY PLAN:

SCALE: AS SHOWN | SHOPDRAWING | DATE: 28.04.2024

REV.	DATE	DSG.	CHK.	APP.	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-48

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	047	3ACC	60L01	DWG	30064	B

Trade Secrets

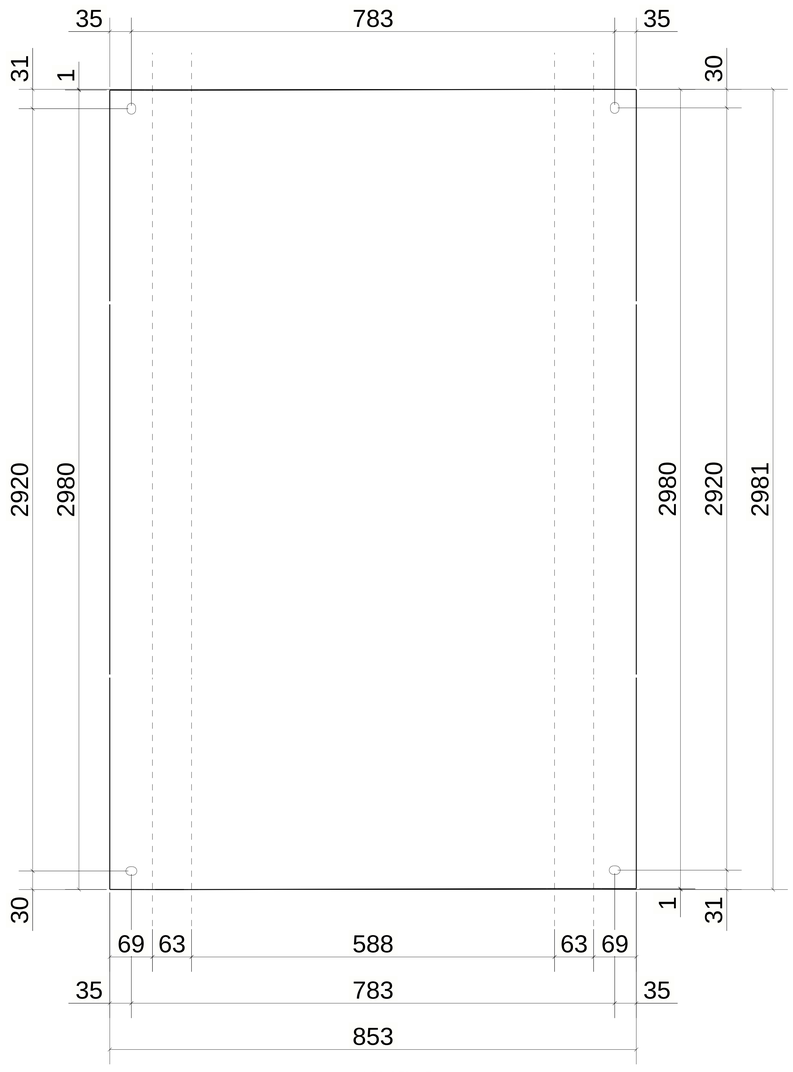
QTY.	Mark
1	01-03B3-S06
1	01-03B3-S08
1	01-03B3-S10
1	01-03B4-S04
1	01-03B4-S06
1	01-03B4-S07

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

MATERIAL LIST FOR ASSEMBLY MK'D W50-S2

Mark	Profile	GRADE	No.	Length	Area	Weight
S2	CHQ5*2982.0	S235JR	1	853	5.12	104.36
				Total	5.12	104.36



UNFOLDED VIEW

6 REQUIRED AS DRAWN MARKED W50-S2/60x7.5

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Hill International Consultant | Main Contractor | Structural Designer

KEY PLAN:

6 October Monorail
Engineering Unit
Valid For Construction

SCALE: AS SHOWN | SHOPDRAWING | DATE: 28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-50

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30065	B

Tekla Structures

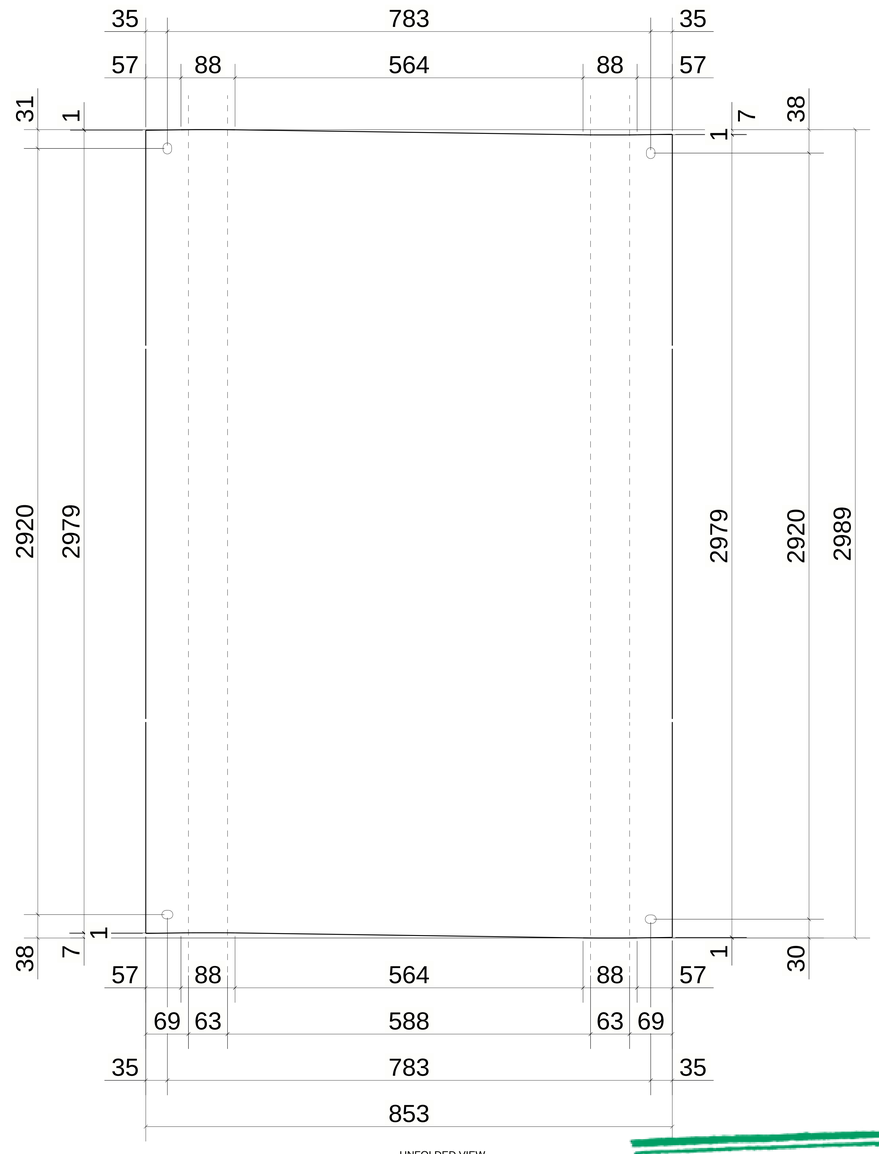
QTY.	Mark
1	01-03B3-S06
1	01-03B3-S08
1	01-03B3-S10
1	01-03B4-S04
1	01-03B4-S06
1	01-03B4-S07

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

MATERIAL LIST FOR ASSEMBLY MK'D W51-S1

Mark	Profile	GRADE	No.	Length	Area	Weight
S1	CHQ5*2988.0	S235JR	1	853	5.12	104.37
				Total	5.12	104.37



UNFOLDED VIEW

6 REQUIRED AS DRAWN MARKED W51-S1/60x7.5

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
3	
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Consultant: Hill International | Main Contractor: ORASCOM / BOMBARDIER | Structural Designer: INNOVA TRANSPORTATION

KEY PLAN:

SCALE: AS SHOWN | SHOPDRAWING | DATE: 28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-51

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30066	B

Tekla Structures

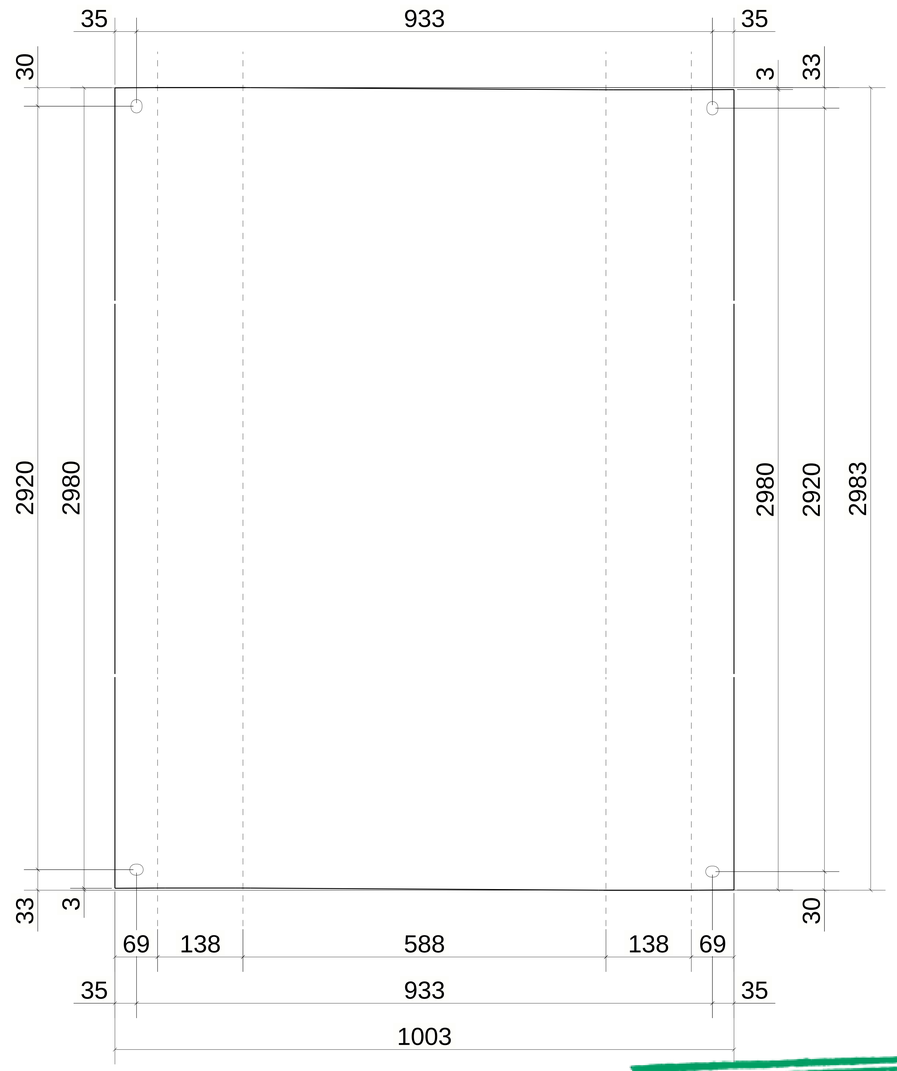
QTY.	Mark
1	01-03B3-S07
1	01-03B3-S08
1	01-03B3-S09
1	01-03B3-S10
1	01-03B4-S04
1	01-03B4-S05
1	01-03B4-S06
1	01-03B4-S07

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

MATERIAL LIST FOR ASSEMBLY MK'D W52-E3

Mark	Profile	GRADE	No.	Length	Area	Weight
E3	CHQ5*2984.0	S235JR	1	1003	6.01	122.80
				Total	6.01	122.80



UNFOLDED VIEW

8 *REQUIRED AS DRAWN MARKED* W52-E3/60x15

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Consultant: Hill International | Main Contractor: ORASCOM CONSTRUCTION, BOMBARDIER | Structural Designer: INNOVA TRANSPORTATION

KEY PLAN:

SCALE: AS SHOWN | SHOPDRAWING | DATE: 28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-52

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	047	ACC	60L01	DWG	30067	B

Tekla Structures

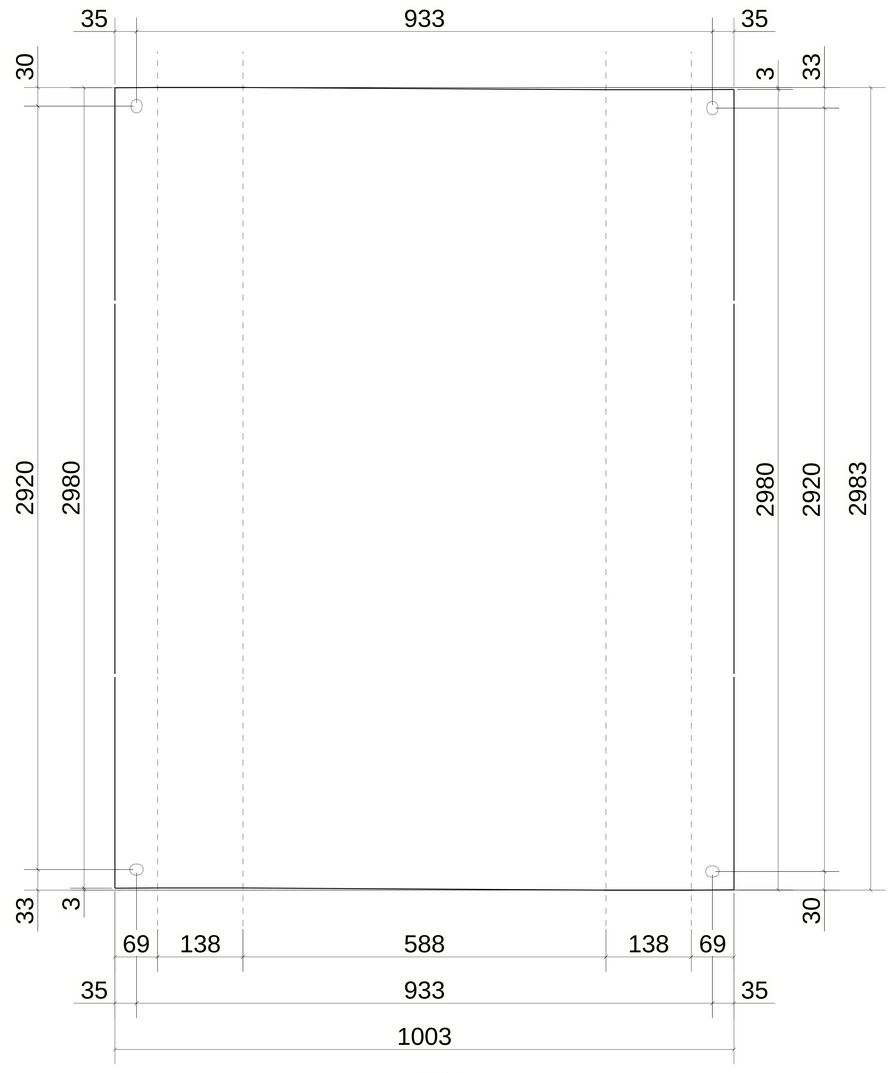
QTY.	Mark
1	01-03B3-S07
1	01-03B3-S08
1	01-03B3-S09
1	01-03B3-S10

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

MATERIAL LIST FOR ASSEMBLY MK'D W53-E2

Mark	Profile	GRADE	No.	Length	Area	Weight
E2	CHQ5*2984.0	S235JR	1	1003	6.01	122.80
				Total	6.01	122.80



UNFOLDED VIEW

4 *REQUIRED AS DRAWN MARKED* W53-E2/60x15

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
3	
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Consultant: Hill International | Main Contractor: ORASCOM CONSTRUCTION, BOMBARDIER | Structural Designer: INNOVA TRANSPORTATION

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV.	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-53

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	047	3ACC	60L01	DWG	30068	B

Delta Structures

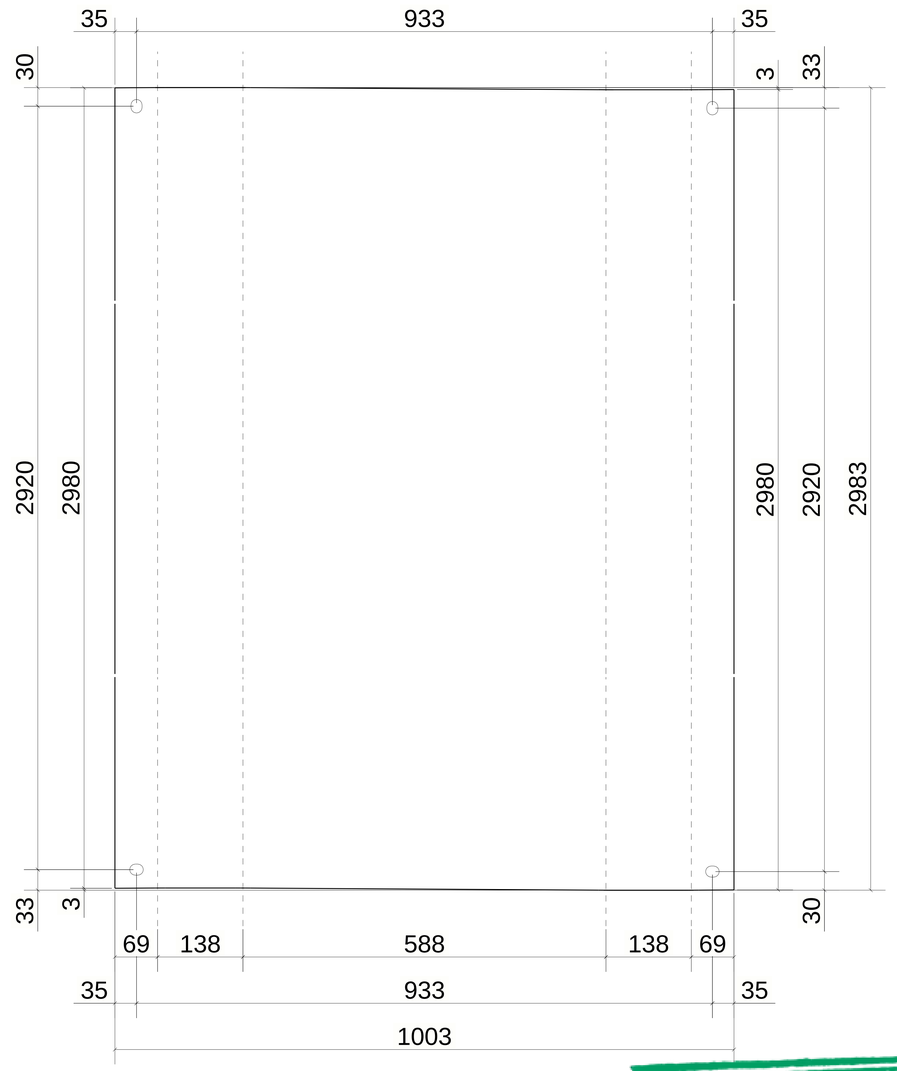
QTY.	Mark
1	01-03B3-S07
1	01-03B3-S08
1	01-03B3-S09
1	01-03B3-S10
1	01-03B4-S04
1	01-03B4-S05
1	01-03B4-S06
1	01-03B4-S07

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

MATERIAL LIST FOR ASSEMBLY MK'D W54-E1

Mark	Profile	GRADE	No.	Length	Area	Weight
E1	CHQ5*2984.0	S235JR	1	1003	6.01	122.80
				Total	6.01	122.80



UNFOLDED VIEW

8 *REQUIRED AS DRAWN MARKED* W54-E1/60x15

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Consultant: Hill International | Main Contractor: ORASCOM CONSTRUCTION, BOMBARDIER | Structural Designer: INNOVA TRANSPORTATION

KEY PLAN:

SCALE: AS SHOWN | SHOPDRAWING | DATE: 28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-54

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30069	B

Tekla Structures

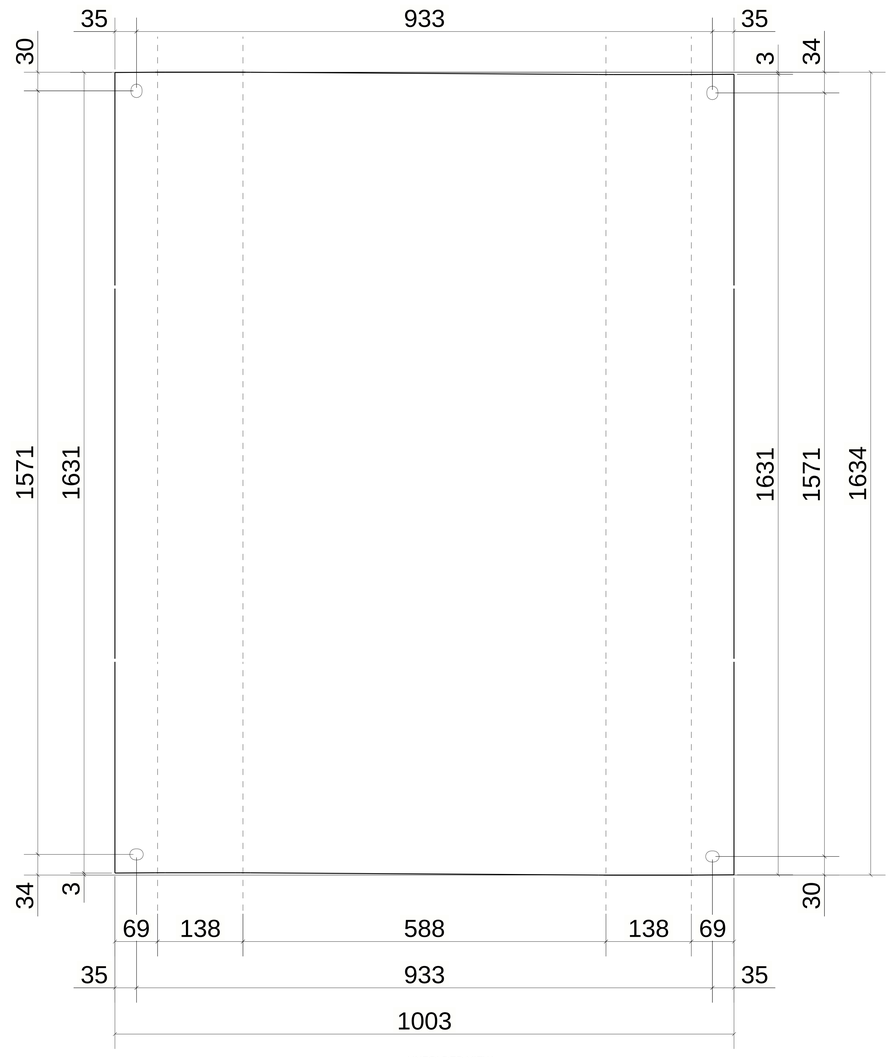
QTY.	Mark
1	01-03B3-S11

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

MATERIAL LIST FOR ASSEMBLY MK'D W55-E3

Mark	Profile	GRADE	No.	Length	Area	Weight
E3	CHQ5*1634.0	S235JR	1	1003	3.30	67.20
				Total	3.30	67.20



UNFOLDED VIEW

1 *REQUIRED AS DRAWN MARKED* W55-E3/60x15

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
3	
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Hill International Consultant | Main Contractor | Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-55

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30070	B

Tekla Structures

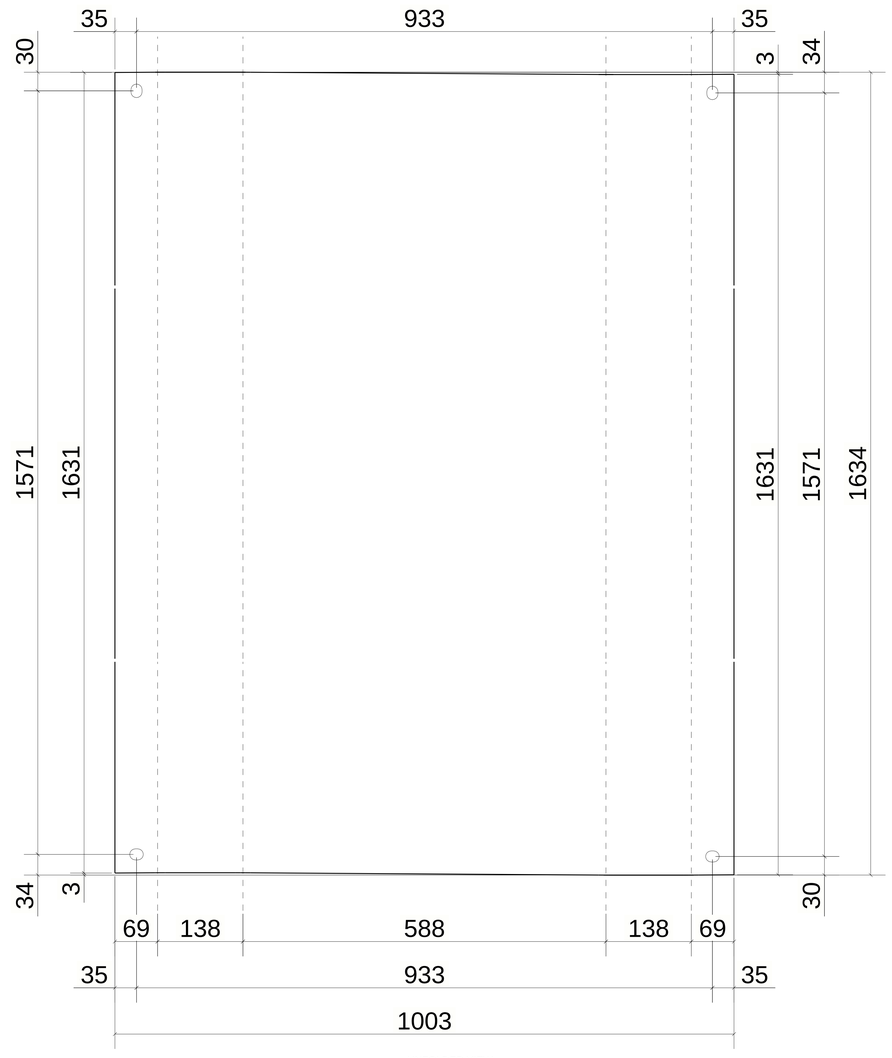
QTY.	Mark
1	01-03B3-S11

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

MATERIAL LIST FOR ASSEMBLY MK'D W56-E2

Mark	Profile	GRADE	No.	Length	Area	Weight
E2	CHQ5*1634.0	S235JR	1	1003	3.30	67.20
				Total	3.30	67.20



UNFOLDED VIEW

1 *REQUIRED AS DRAWN MARKED* W56-E2/60x15

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Hill International Consultant | ORASCOM BOMBARDIER Main Contractor | INNOVA TRANSPORTATION Structural Designer

KEY PLAN:

SCALE: AS SHOWN | SHOPDRAWING | DATE: 28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-56

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30071	B

Walkway Structures

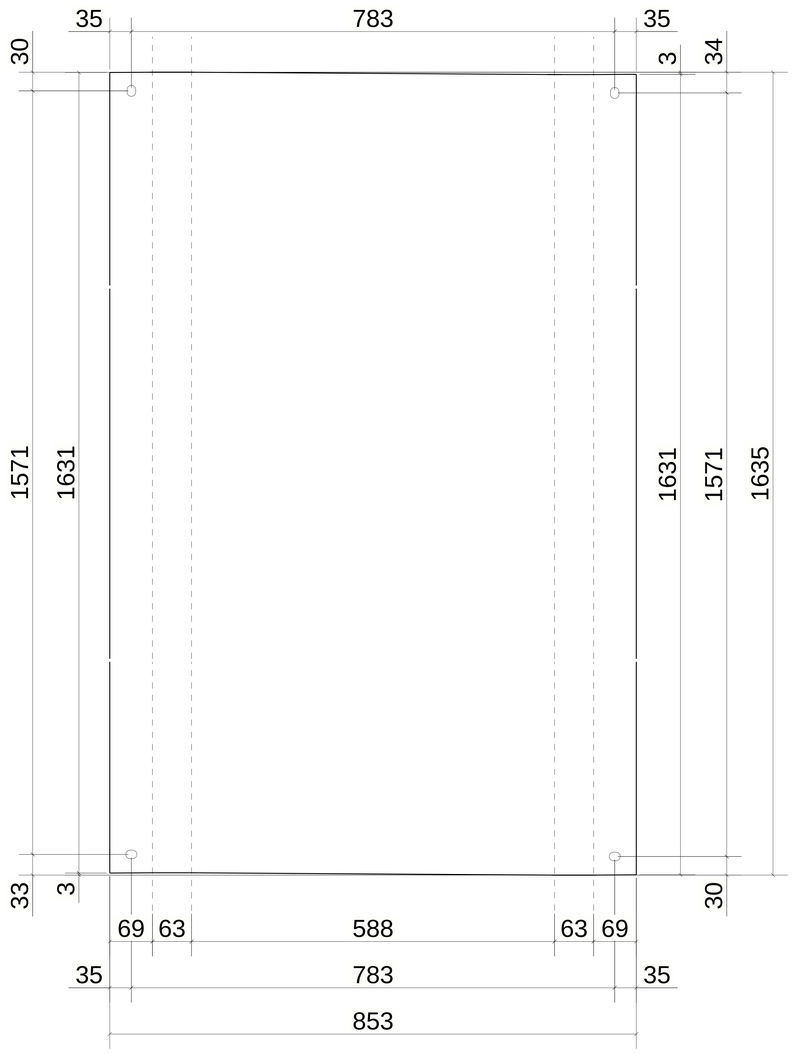
QTY.	Mark
1	01-03B3-S11

MATERIAL LIST FOR ASSEMBLY MK'D W57-S2

Mark	Profile	GRADE	No.	Length	Area	Weight
S2	CHQ5*1634.0	S235JR	1	853	2.80	57.11
				Total	2.80	57.11

REVIEWED WITH COMMENT MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing



UNFOLDED VIEW

6 October Monorail
Engineering Unit
Valid For Construction

1 *REQUIRED AS DRAWN MARKED* W57-S2/60x7.5

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Hill International Consultant | ORASCOM BOMBARDIER Main Contractor | INNOVA Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-57

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30072	B

Tekla Structures

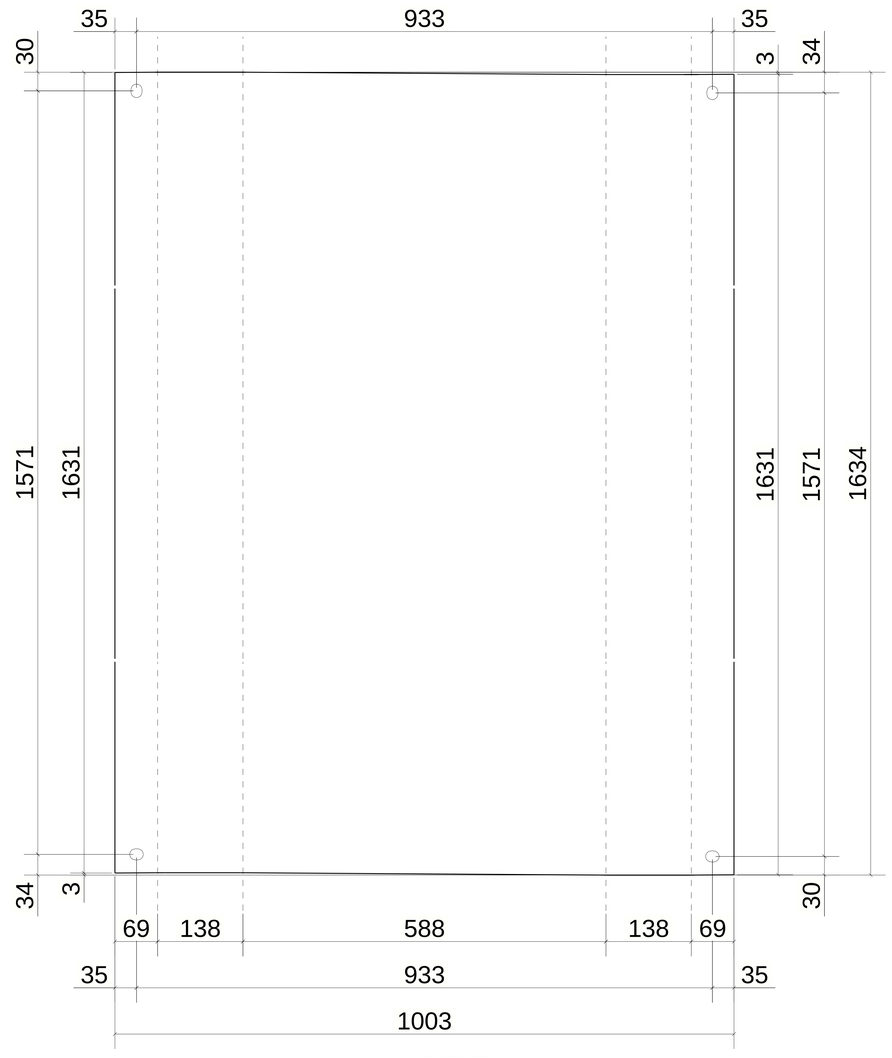
QTY.	Mark
1	01-03B3-S11

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

MATERIAL LIST FOR ASSEMBLY MK'D W58-E1

Mark	Profile	GRADE	No.	Length	Area	Weight
E1	CHQ5*1634.0	S235JR	1	1003	3.30	67.20
				Total	3.30	67.20



UNFOLDED VIEW

1 *REQUIRED AS DRAWN MARKED* W58-E1/60x15

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Hill International Consultant | Main Contractor | Structural Designer

KEY PLAN:

SCALE: AS SHOWN | SHOPDRAWING | DATE: 28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-58

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30073	B

Tekla Structures

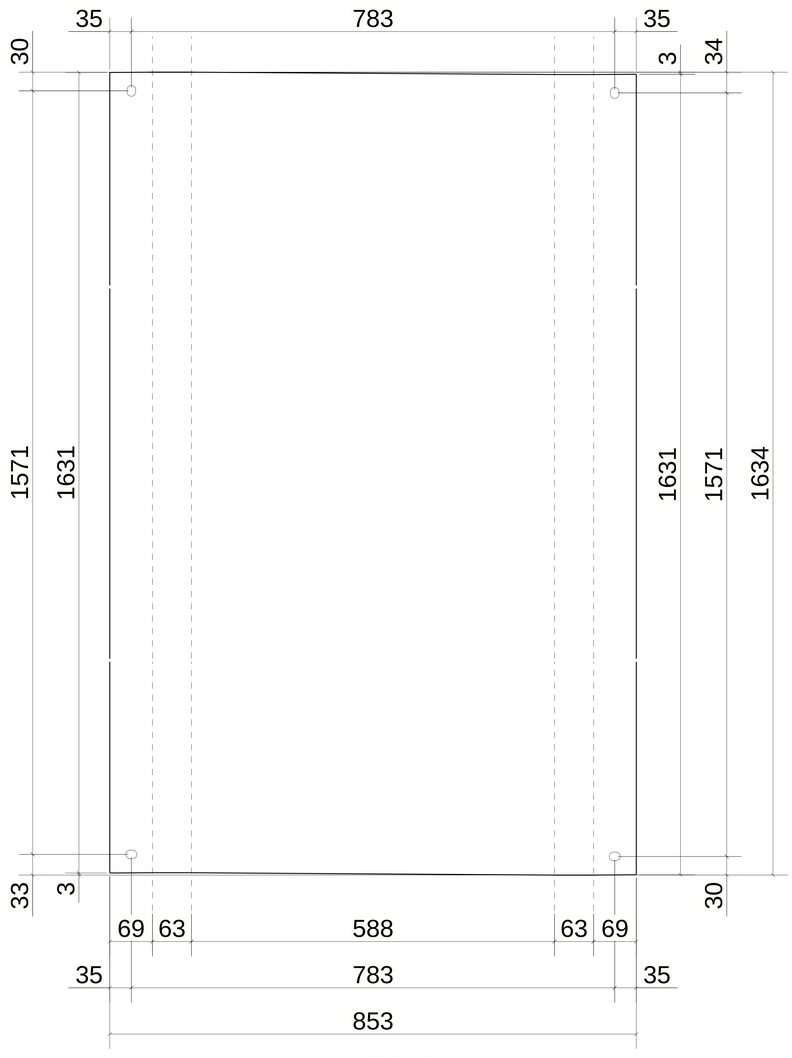
QTY.	Mark
1	01-03B3-S11

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

MATERIAL LIST FOR ASSEMBLY MK'DW59-S1

Mark	Profile	GRADE	No.	Length	Area	Weight
S1	CHQ5*1634.0	S235JR	1	853	2.80	57.11
				Total	2.80	57.11



UNFOLDED VIEW

1 *REQUIRED AS DRAWN MARKED* W59-S1/60x7.5

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Hill International Consultant | ORASCOM BOMBARDIER Main Contractor | INNOVA Structural Engineer

KEY PLAN:

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

SCALE: AS SHOWN | SHOPDRAWING | DATE: 28.04.2024

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-59

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30074	B

Tekla Structures

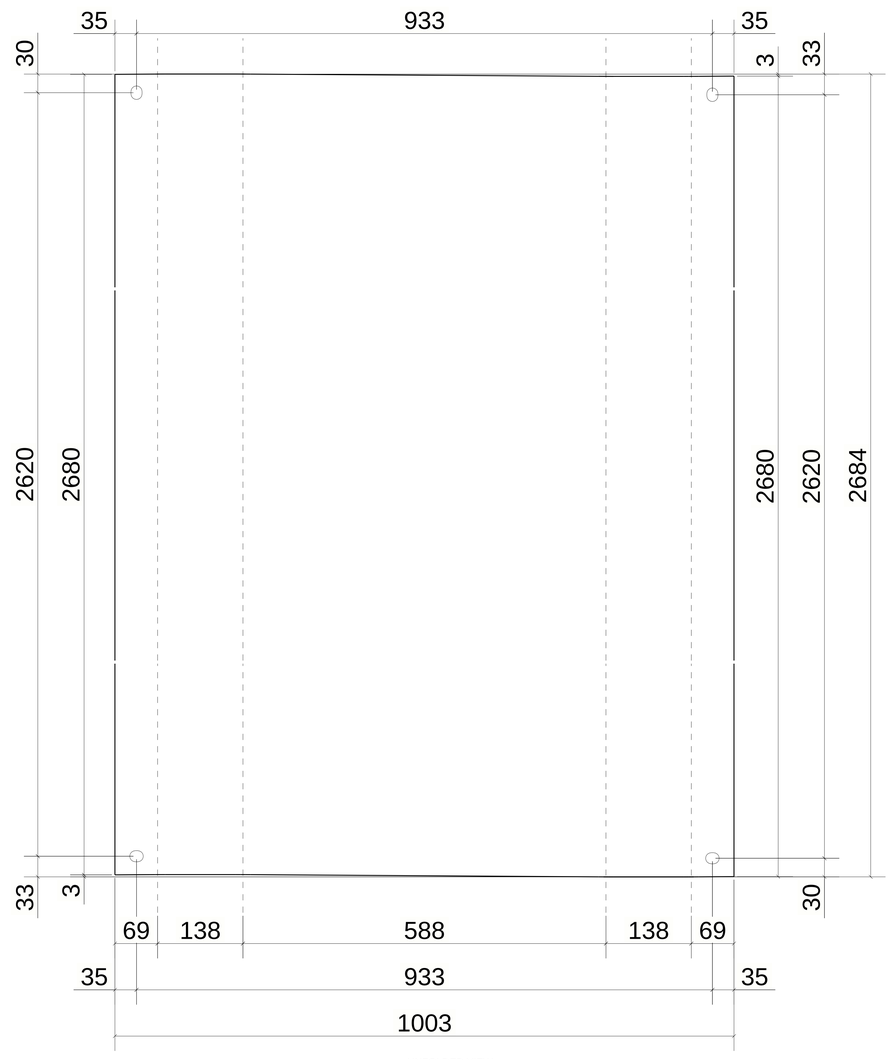
QTY.	Mark
1	01-03B4-S01

REVIEWED WITH COMMENT MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

MATERIAL LIST FOR ASSEMBLY MK'D W60-E3

Mark	Profile	GRADE	No.	Length	Area	Weight
E3	CHQ5*2684.0	S235JR	1	1003	5.41	110.45
				Total	5.41	110.45



UNFOLDED VIEW

1 *REQUIRED AS DRAWN MARKED* W60-E3/60x15

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Hill International Consultant | ORASCOM BOMBARDIER Main Contractor | INNOVA TRANSPORTATION Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-60

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30075	B

Tekla Structures

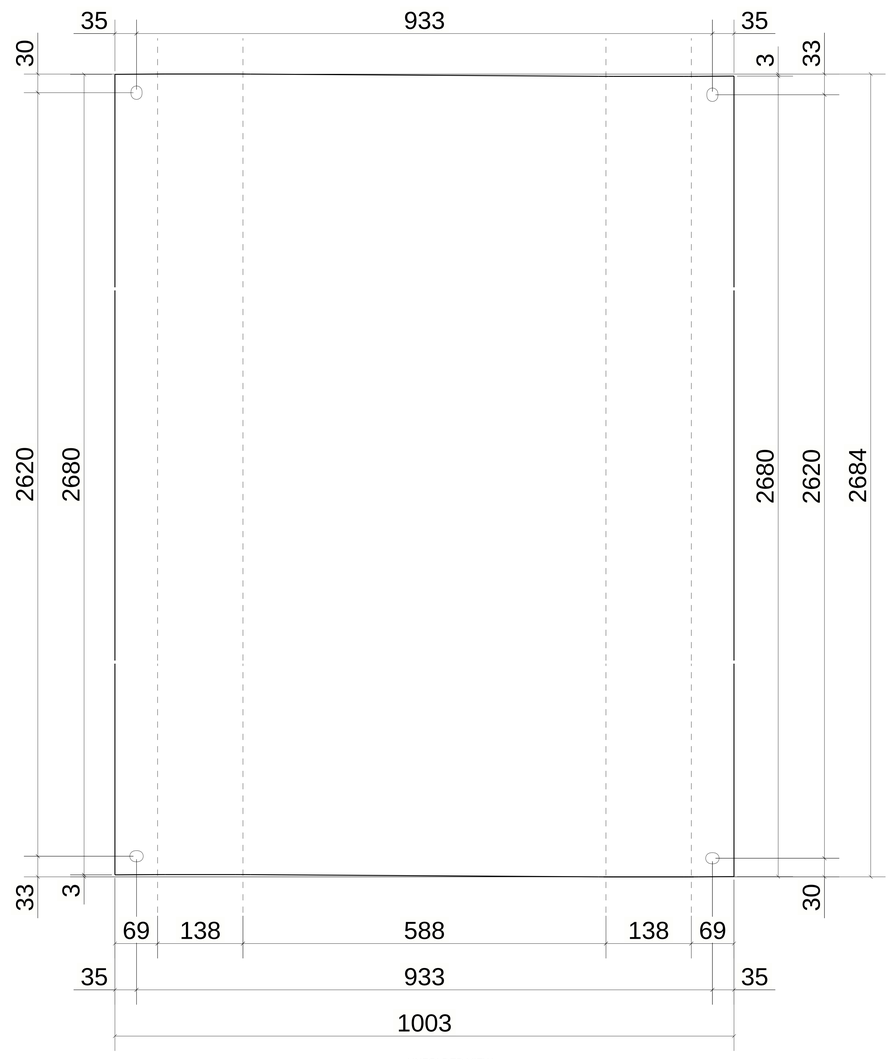
QTY.	Mark
1	01-03B4-S01

REVIEWED WITH COMMENT MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

MATERIAL LIST FOR ASSEMBLY MK'D W61-E2

Mark	Profile	GRADE	No.	Length	Area	Weight
E2	CHQ5*2684.0	S235JR	1	1003	5.41	110.44
				Total	5.41	110.44



UNFOLDED VIEW

1 *REQUIRED AS DRAWN MARKED* W61-E2/60x15

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Hill International Consultant | ORASCOM BOMBARDIER Main Contractor | INNOVA TRANSPORTATION Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-61

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30076	B

Tekla Structures

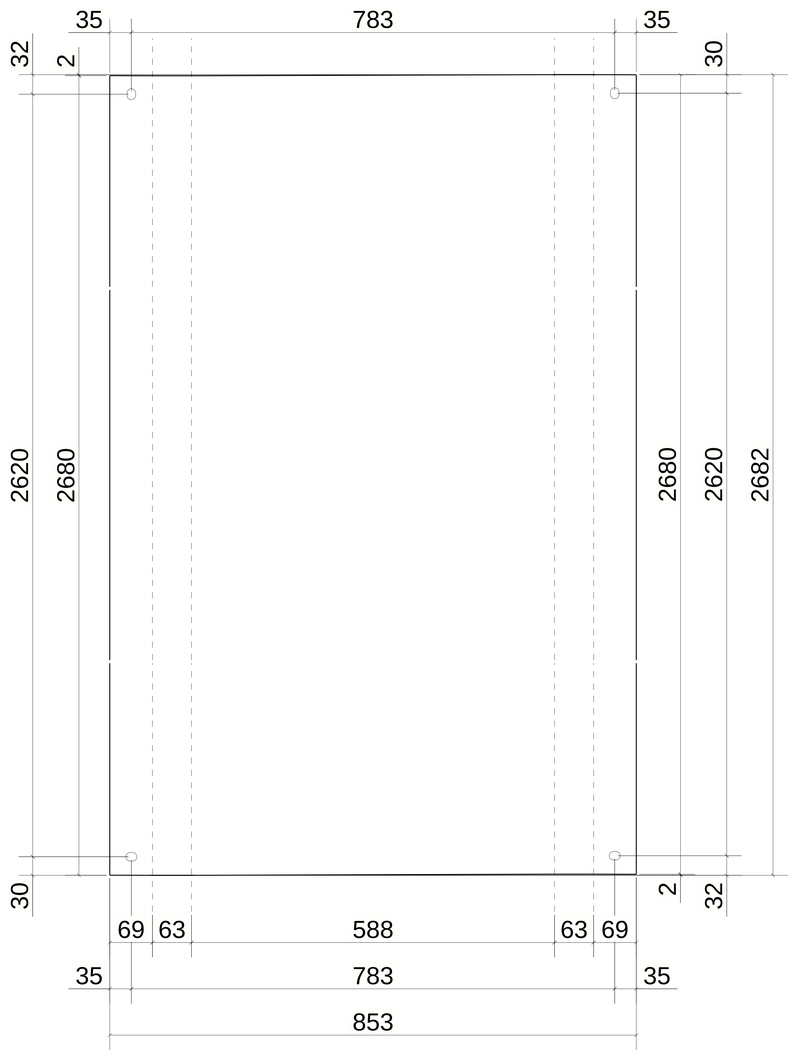
QTY.	Mark
1	01-03B4-S01

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

MATERIAL LIST FOR ASSEMBLY MK'DW62-S2

Mark	Profile	GRADE	No.	Length	Area	Weight
S2	CHQ5*2682.0	S235JR	1	853	4.60	93.86
				Total	4.60	93.86



UNFOLDED VIEW

1 *REQUIRED AS DRAWN MARKED* W62-S2/60x7.5

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority — Hill International (Consultant) — Main Contractor — Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV.	DATE	DSG.	CHK.	APP.	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-62

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93	M047	3ACC	60L01	DWG	30077	B

Dar Al Handasah Shair and Partners

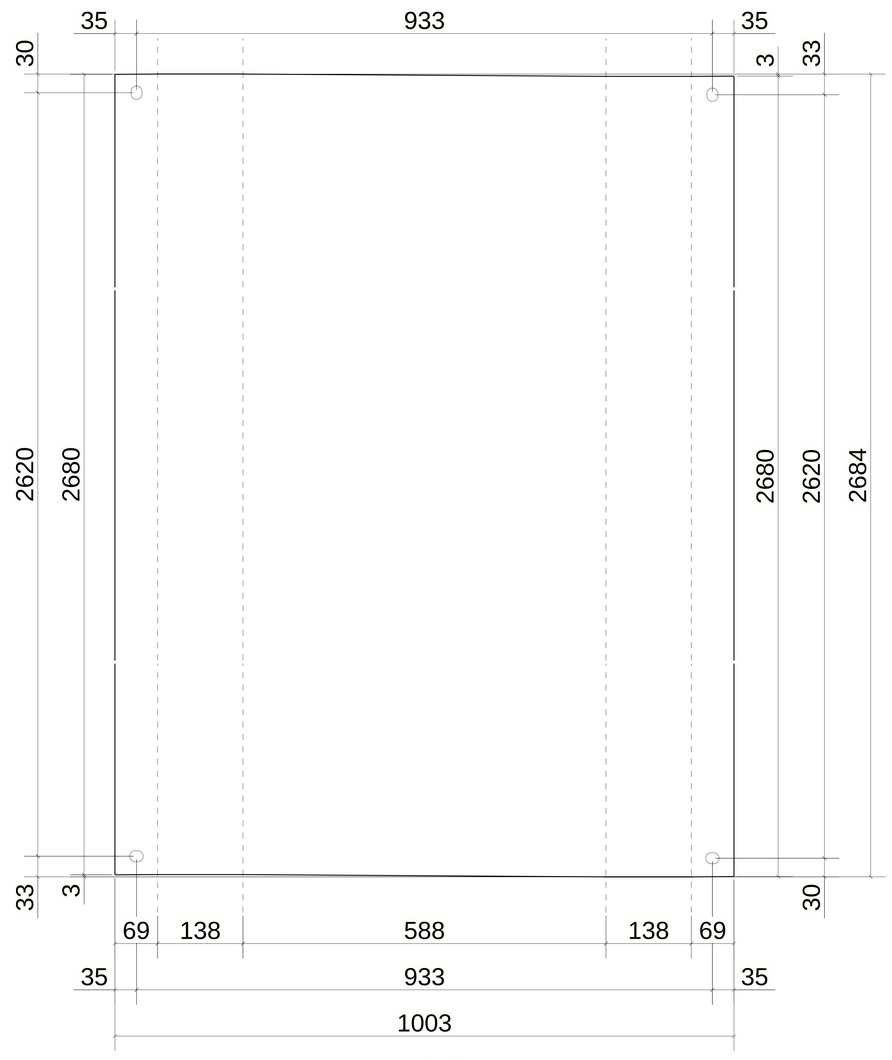
QTY.	Mark
1	01-03B4-S01

REVIEWED WITH COMMENT MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

MATERIAL LIST FOR ASSEMBLY MK'D W63-E1

Mark	Profile	GRADE	No.	Length	Area	Weight
E1	CHQ5*2684.0	S235JR	1	1003	5.41	110.44
				Total	5.41	110.44



UNFOLDED VIEW

1 *REQUIRED AS DRAWN MARKED* W63-E1/60x15

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Hill International Consultant | ORASCOM BOMBARDIER Main Contractor | INNOVA TRANSPORTATION Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-63

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30078	B

Tekla Structures

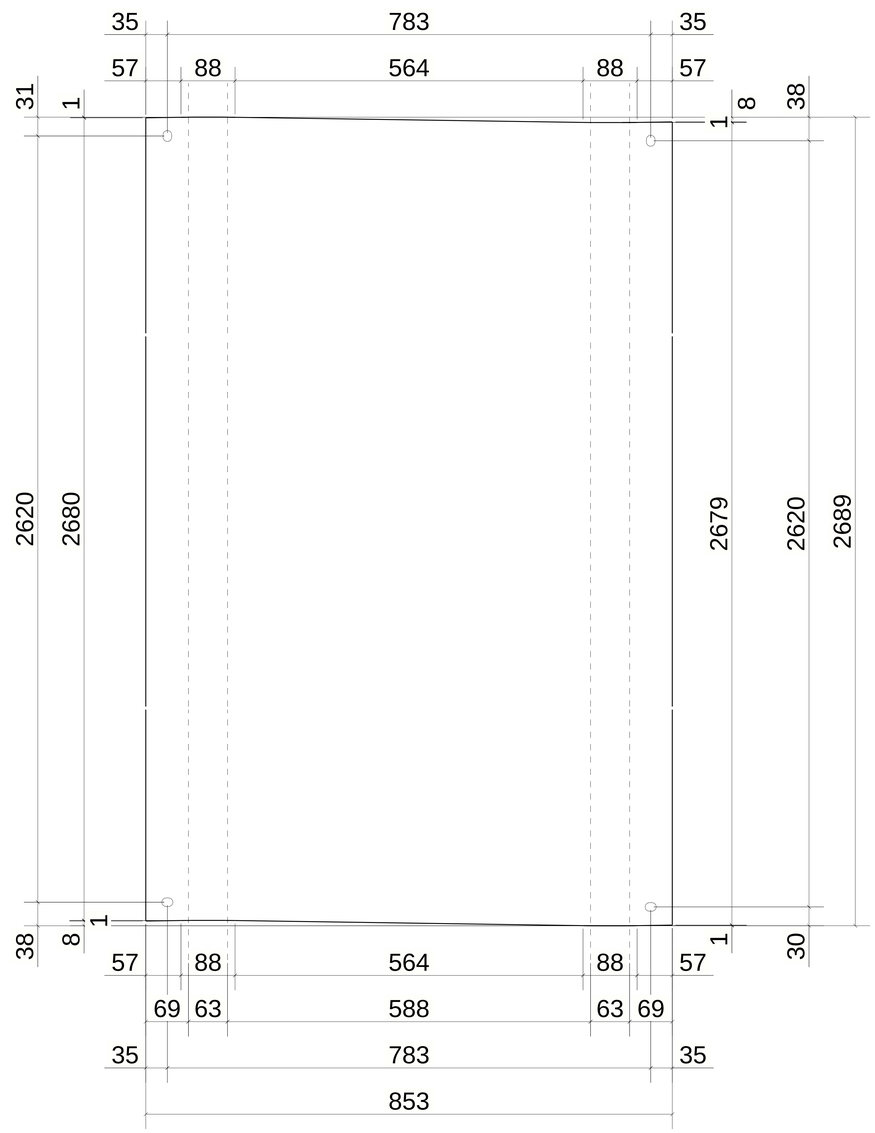
QTY.	Mark
1	01-03B4-S01

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

MATERIAL LIST FOR ASSEMBLY MK'DW64-S1

Mark	Profile	GRADE	No.	Length	Area	Weight
S1	CHQ5*2690.0	S235JR	1	853	4.60	93.87
				Total	4.60	93.87



UNFOLDED VIEW

1 *REQUIRED AS DRAWN MARKED* W64-S1/60x7.5

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority — Hill International Consultant — Main Contractor — Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-64

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93	M047	3ACC	60L01	DWG	30079	B

Delta Structures

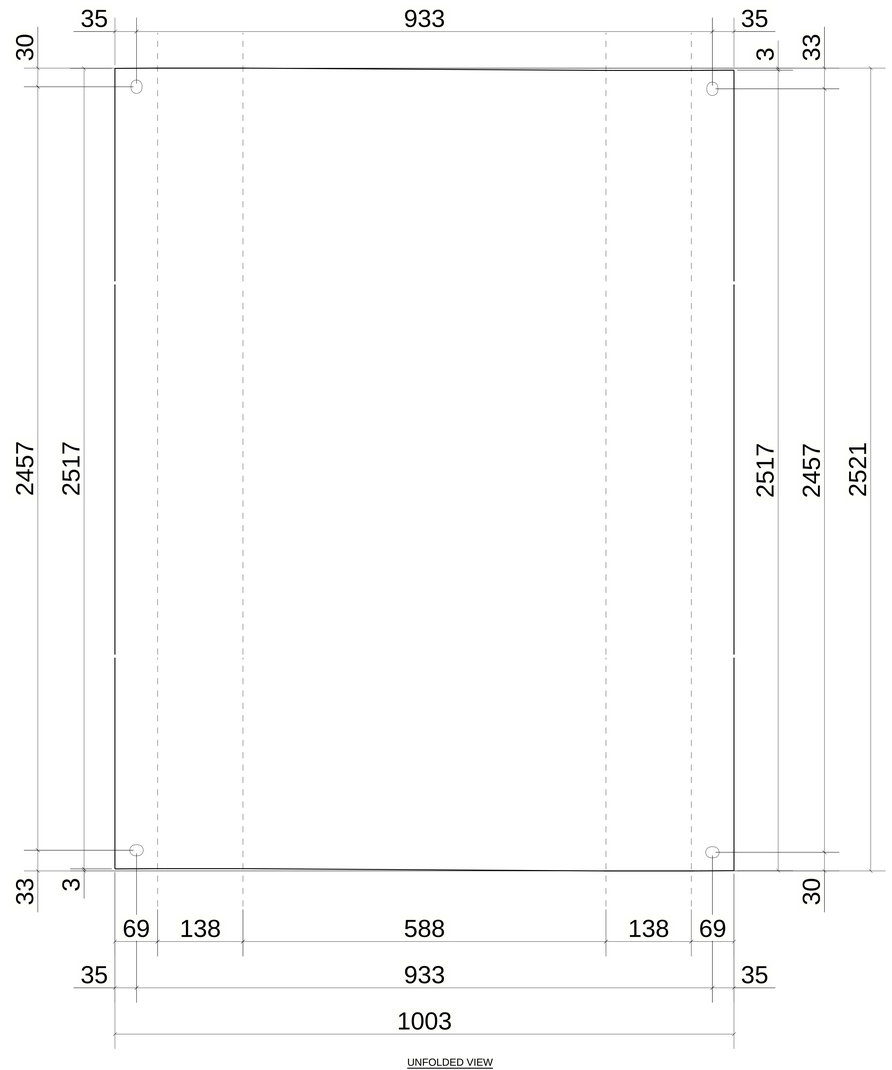
QTY.	Mark
1	01-03B4-S02
1	01-03B4-S08

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

MATERIAL LIST FOR ASSEMBLY MK'D W65-E3

Mark	Profile	GRADE	No.	Length	Area	Weight
E3	CHQ5*2522.0	S235JR	1	1003	5.08	103.74
				Total	5.08	103.74



UNFOLDED VIEW

2 *REQUIRED AS DRAWN MARKED* W65-E3/60x15

6 October: Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
3	
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Consultant: Hill International | Main Contractor: ORASCOM CONSTRUCTION, City Stars Commons, BOMBARDIER | Structural Designer: INNOVA TRANSPORTATION

KEY PLAN:

REV.	DATE	DSG.	CHK.	APP.	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

SCALE: AS SHOWN | SHOPDRAWING | DATE: 28.04.2024

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-65

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30080	B

Doka Schweiz

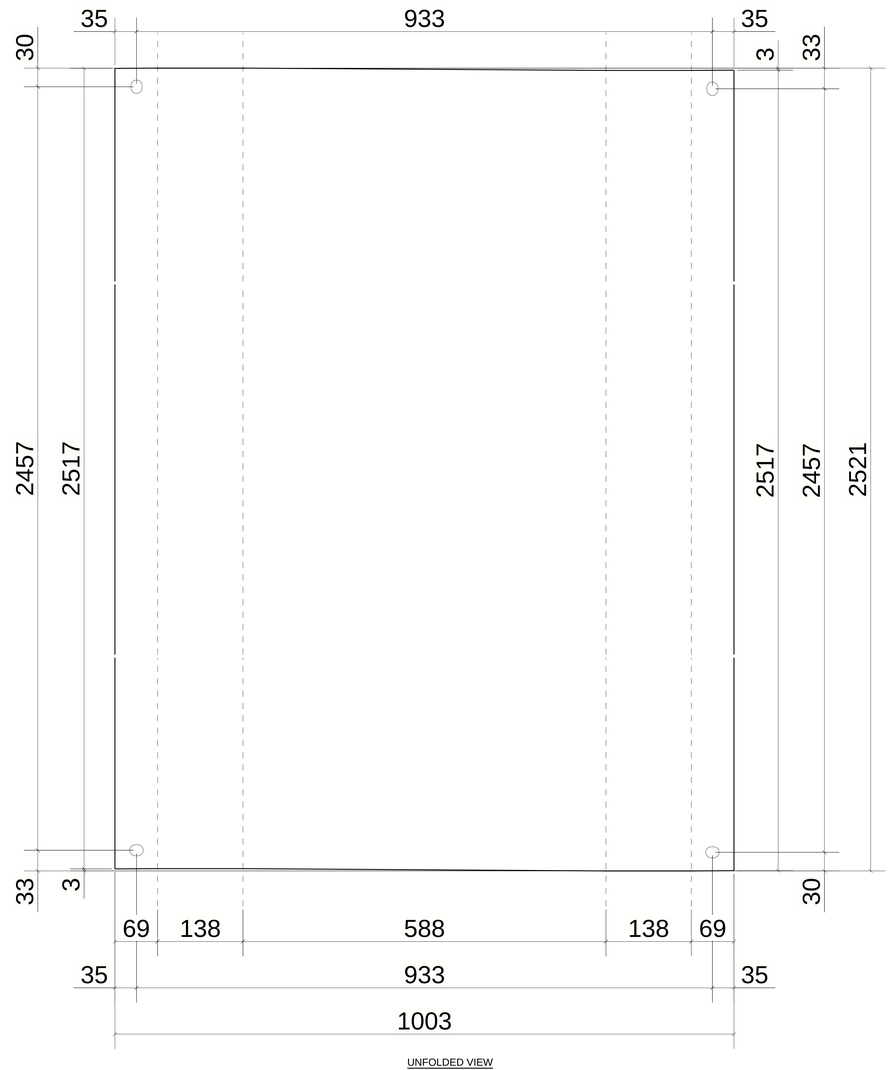
QTY.	Mark
1	01-03B4-S02

REVIEWED WITH COMMENT MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

MATERIAL LIST FOR ASSEMBLY MK'D W66-E2

Mark	Profile	GRADE	No.	Length	Area	Weight
E2	CHQ5*2522.0	S235JR	1	1003	5.08	103.74
				Total	5.08	103.74



UNFOLDED VIEW

1 *REQUIRED AS DRAWN MARKED* W66-E2/60x15

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
3	
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Hill International Consultant | ORASCOM BOMBARDIER Main Contractor | INNOVA TRANSPORTATION Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-66

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30081	B

Tekla Structures

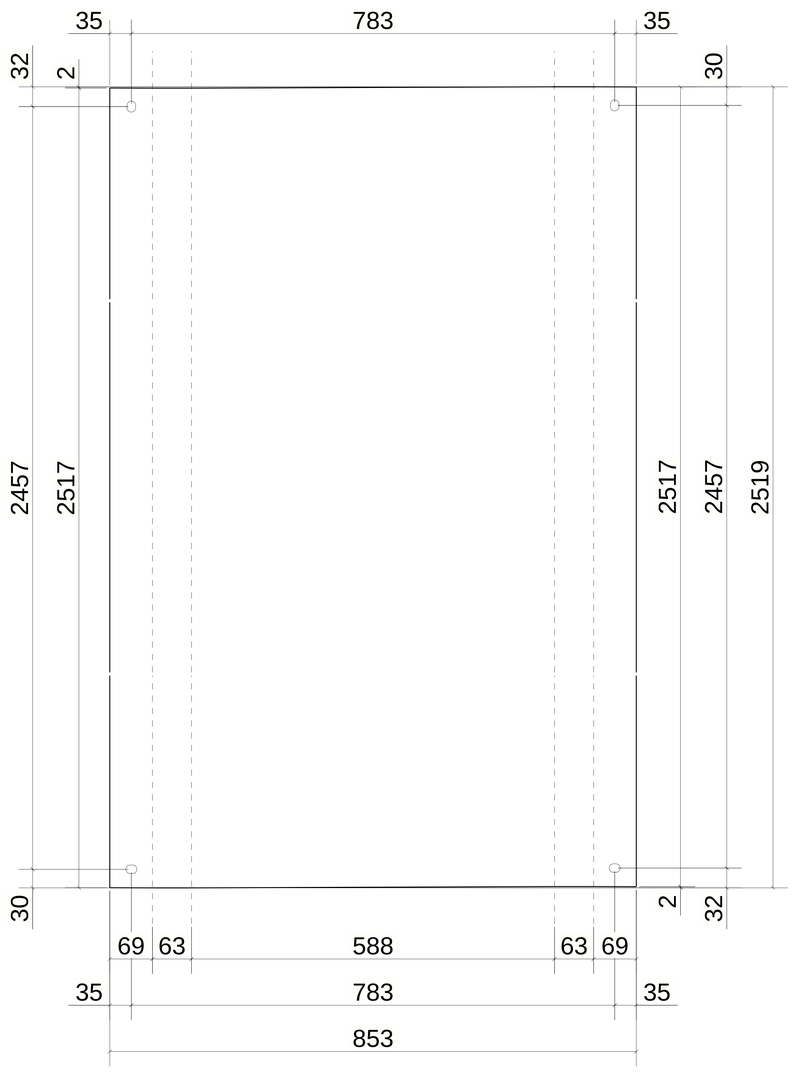
QTY.	Mark
1	01-03B4-S02

REVIEWED WITH COMMENT MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

MATERIAL LIST FOR ASSEMBLY MK'D W67-S2

Mark	Profile	GRADE	No.	Length	Area	Weight
S2	CHQ5*2520.0	S235JR	1	853	4.32	88.16
				Total	4.32	88.16



UNFOLDED VIEW

1 *REQUIRED AS DRAWN MARKED* W67-S2/60x7.5

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2.WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3.ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Hill International Consultant | ORASCOM BOMBARDIER Main Contractor | INNOVA Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-67

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30082	B

Tekla Structures

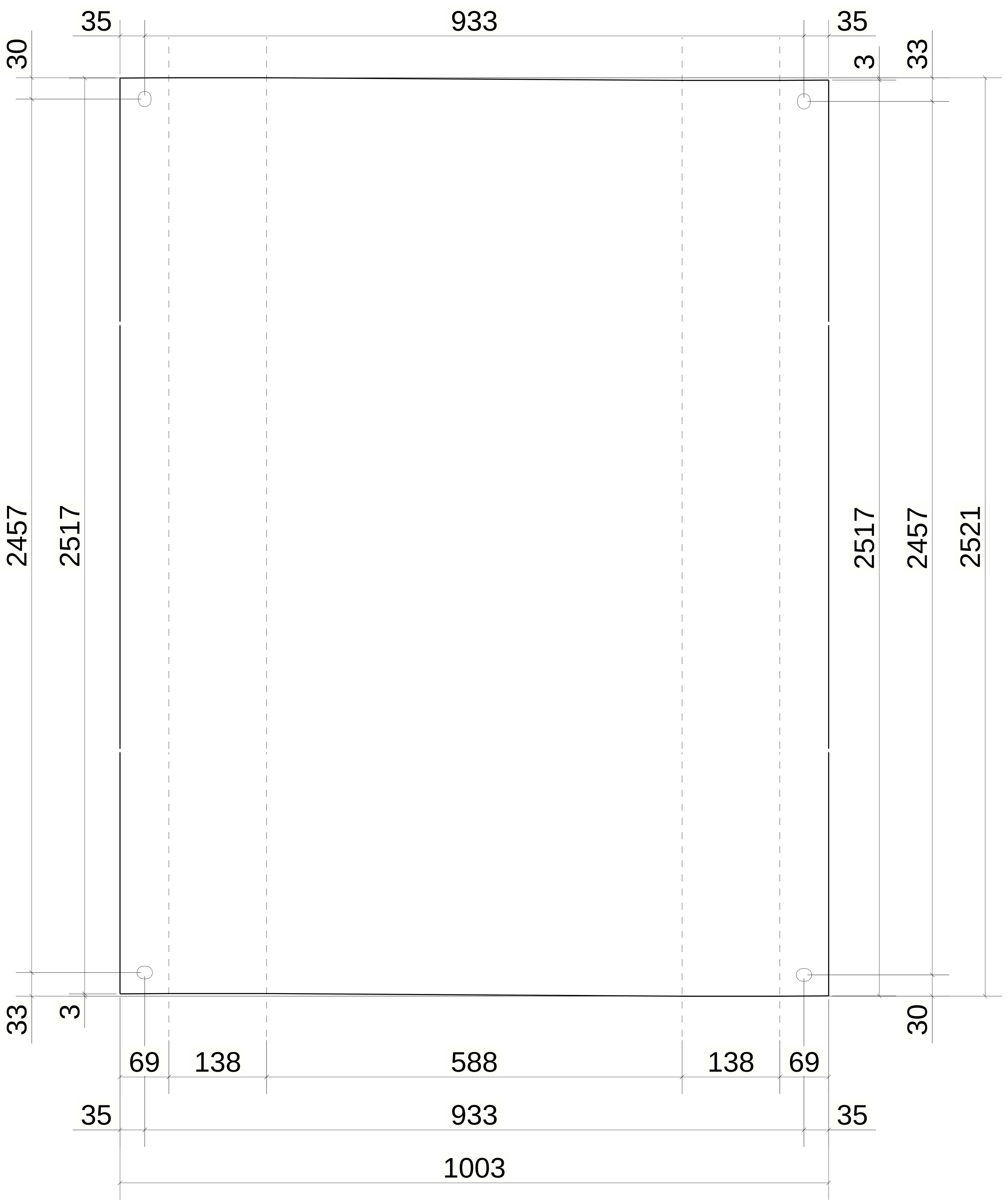
QTY.	Mark
1	01-03B4-S02
1	01-03B4-S08

REVIEWED WITH COMMENT MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

MATERIAL LIST FOR ASSEMBLY MK'DW68-E1

Mark	Profile	GRADE	No.	Length	Area	Weight
E1	CHQ5*2522.0	S235JR	1	1003	5.08	103.74
				Total	5.08	103.74



UNFOLDED VIEW

2 *REQUIRED AS DRAWN MARKED* W68-E1/60x15

6 October Monorail Engineering Unit Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority — Hill International Consultant — ORASCOM / The Arab Contractors / BOMBARDIER Main Contractor — INNOVA Structural Designer

KEY PLAN:

SCALE: AS SHOWN — SHOPDRAWING — DATE

REV	DATE	DSG.	CHK.	APP.	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-68

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93	M0473	ACC	60L01	DWG	30083	B

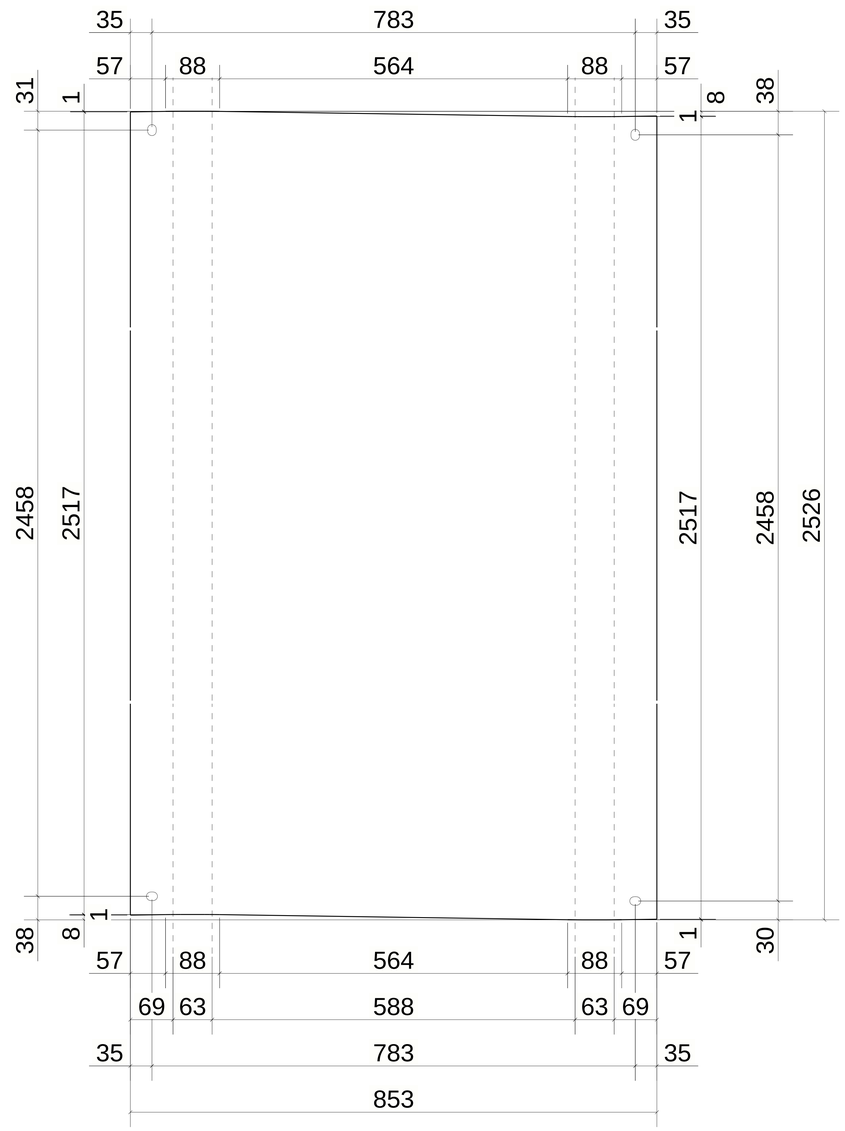
QTY.	Mark
1	01-03B4-S02

REVIEWED WITH COMMENT MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

MATERIAL LIST FOR ASSEMBLY MK'D W69-S1

Mark	Profile	GRADE	No.	Length	Area	Weight
S1	CHQ5*2526.0	S235JR	1	853	4.33	88.17
				Total	4.33	88.17



UNFOLDED VIEW

1 *REQUIRED AS DRAWN MARKED* W69-S1/60x7.5

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Hill International Consultant | ORASCOM BOMBARDIER Main Contractor | INNOVA TRANSPORTATION Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-69

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30084	B

Tekla Structures

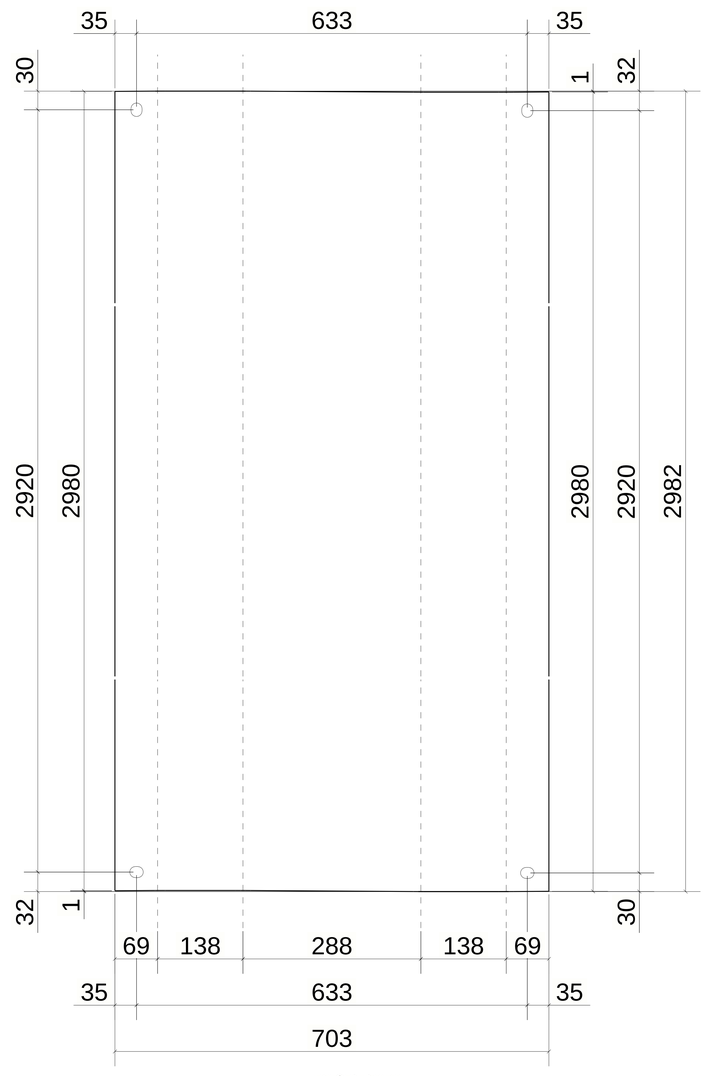
QTY.	Mark
1	01-03B4-S04
1	01-03B4-S05
1	01-03B4-S06
1	01-03B4-S07

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

MATERIAL LIST FOR ASSEMBLY MK'DW71-E2

Mark	Profile	GRADE	No.	Length	Area	Weight
E2	CHQ5*2982.0	S235JR	1	703	4.22	85.92
				Total	4.22	85.92



UNFOLDED VIEW

4 *REQUIRED AS DRAWN MARKED* W71-E2/30x15

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Hill International Consultant | Main Contractor | Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV.	DATE	DSG.	CHK.	APP.	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-71

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30085	B

Tekla Structures

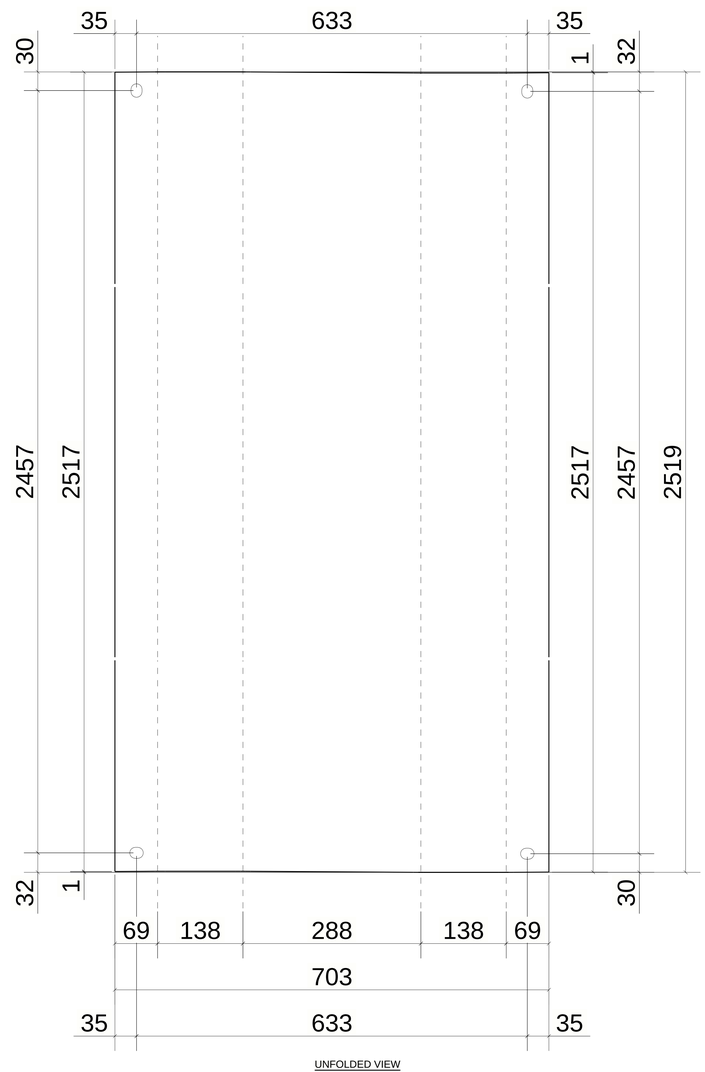
QTY.	Mark
1	01-03B4-S08

REVIEWED WITH COMMENT MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

MATERIAL LIST FOR ASSEMBLY MK'D W72-E2

Mark	Profile	GRADE	No.	Length	Area	Weight
E2	CHQ5*2520.0	S235JR	1	703	3.57	72.59
				Total	3.57	72.59



UNFOLDED VIEW

1 *REQUIRED AS DRAWN MARKED* W72-E2/30x15

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
3	
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Hill International Consultant | ORASCOM BOMBARDIER Main Contractor | INNOVA TRANSPORTATION Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-72

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30086	B

Tekla Structures

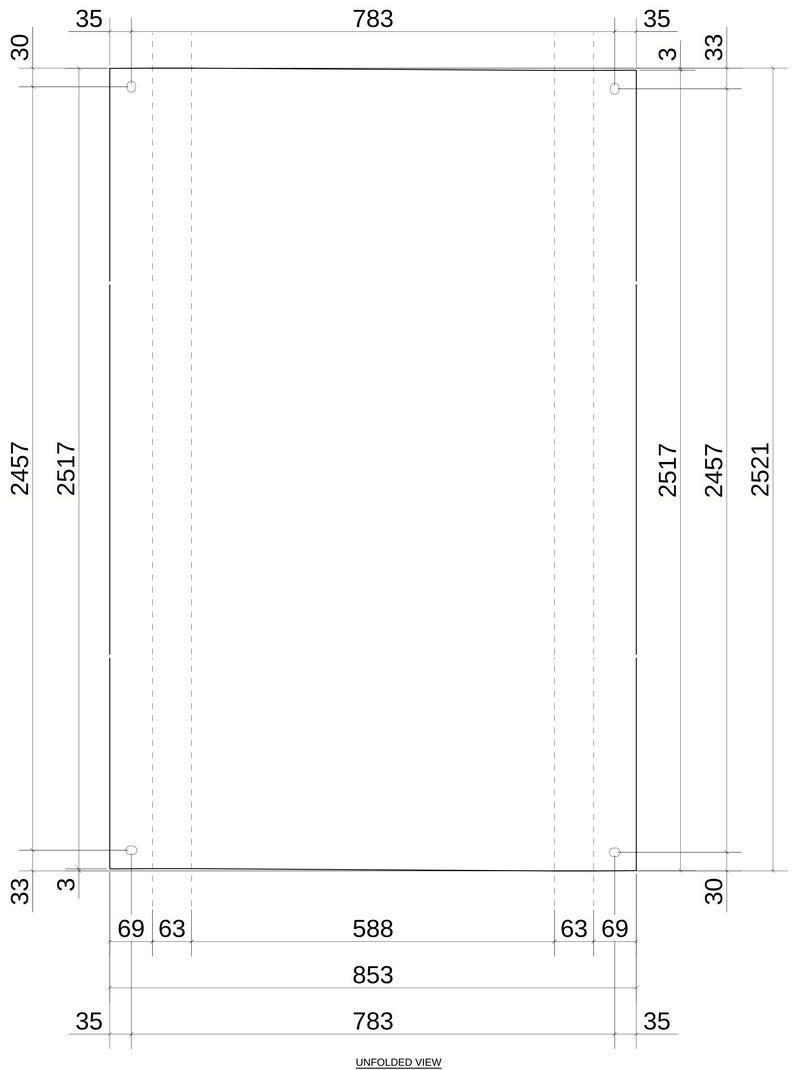
QTY.	Mark
1	01-03B4-S08

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

MATERIAL LIST FOR ASSEMBLY MK'DW73-S2

Mark	Profile	GRADE	No.	Length	Area	Weight
S2	CHQ5*2522.0	S235JR	1	853	4.32	88.16
				Total	4.32	88.16



UNFOLDED VIEW

1 *REQUIRED AS DRAWN MARKED* W73-S2/60x7.5

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
3	
4	
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Consultant: Hill International | Main Contractor: Orascom Construction / Bombardier | Structural Designer: Innova Transportation

KEY PLAN:

REV.	DATE	DSG.	CHK.	APP.	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

SCALE: AS SHOWN | SHOPDRAWING | DATE: 28.04.2024

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-73

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	04	73	ACC	60	L01	DWG	3008	B

Trimble Solutions

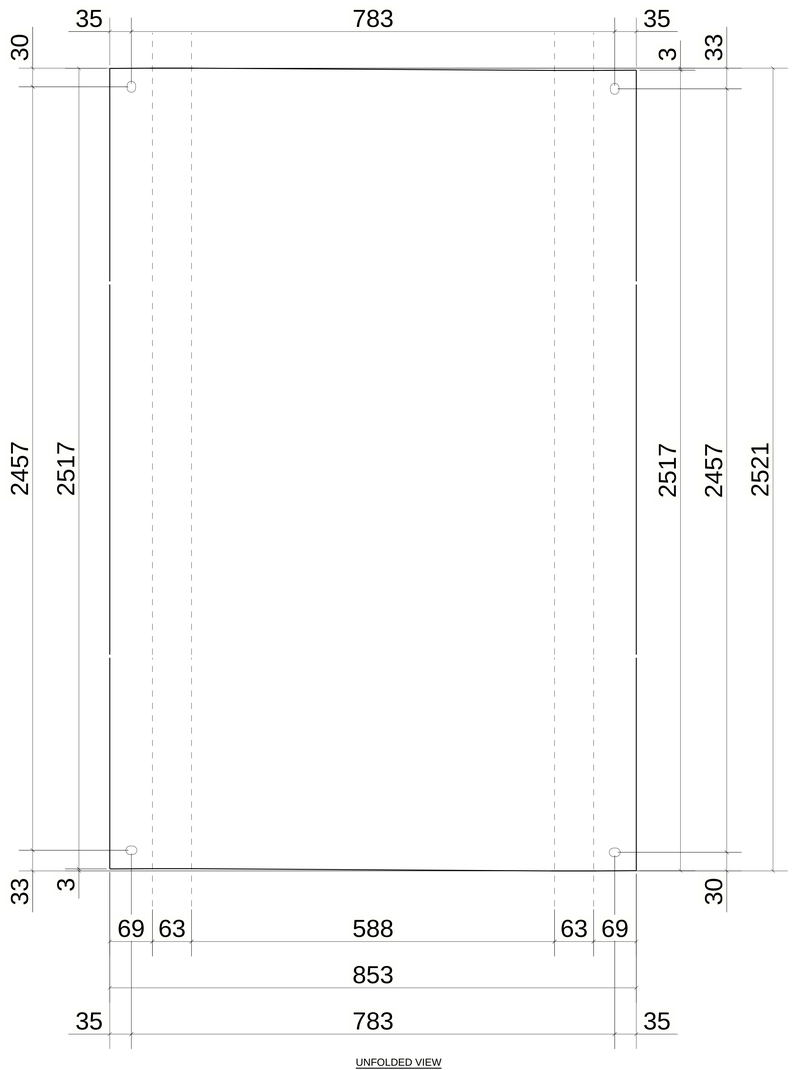
QTY.	Mark
1	01-03B4-S08

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

MATERIAL LIST FOR ASSEMBLY MK'DW74-S1

Mark	Profile	GRADE	No.	Length	Area	Weight
S1	CHQ5*2522.0	S235JR	1	853	4.32	88.16
				Total	4.32	88.16



UNFOLDED VIEW

1 *REQUIRED AS DRAWN MARKED* W74-S1/60x7.5

6 October: Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Hill International Consultant | Main Contractor | Structural Designer

KEY PLAN:

REV.	DATE	DSG.	CHK.	APP.	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

SCALE: AS SHOWN | SHOPDRAWING | DATE: 28.04.2024

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-74

Project Code	Rubric			Initiator	Lot			Ref		Number					Revision
9	3	M	0	4	7	3	A	C	C	6	0	L	0	1	D	W	G	3	0	0	8	8	B

Trimble Solutions

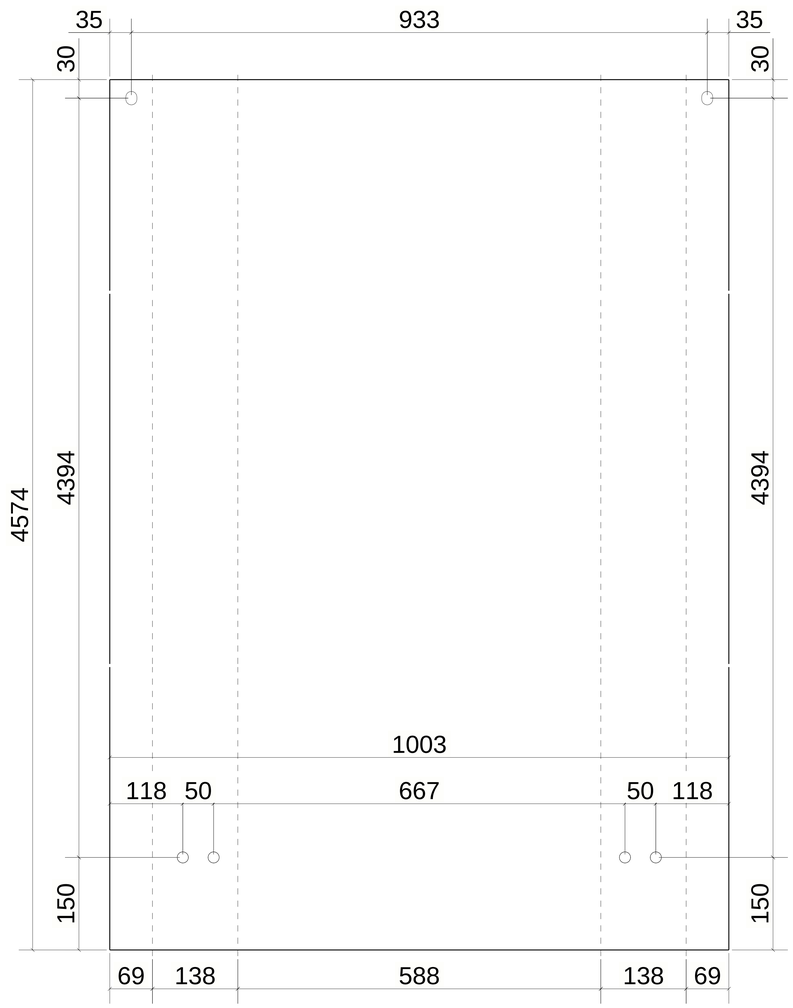
QTY.	Mark
1	01-03B4-S09

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

MATERIAL LIST FOR ASSEMBLY MK'DW75-E3

Mark	Profile	GRADE	No.	Length	Area	Weight
E3	CHQ5*4574.0	S235JR	1	1003	9.22	188.49
				Total	9.22	188.49



UNFOLDED VIEW

1 *REQUIRED AS DRAWN MARKED* W75-E3/60x15 S

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Hill International Consultant | ORASCOM / BOMBARDIER Main Contractor | INNOVA TRANSPORTATION Structural Designer

KEY PLAN:

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

SCALE: AS SHOWN | SHOPDRAWING | DATE: 28.04.2024

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-75

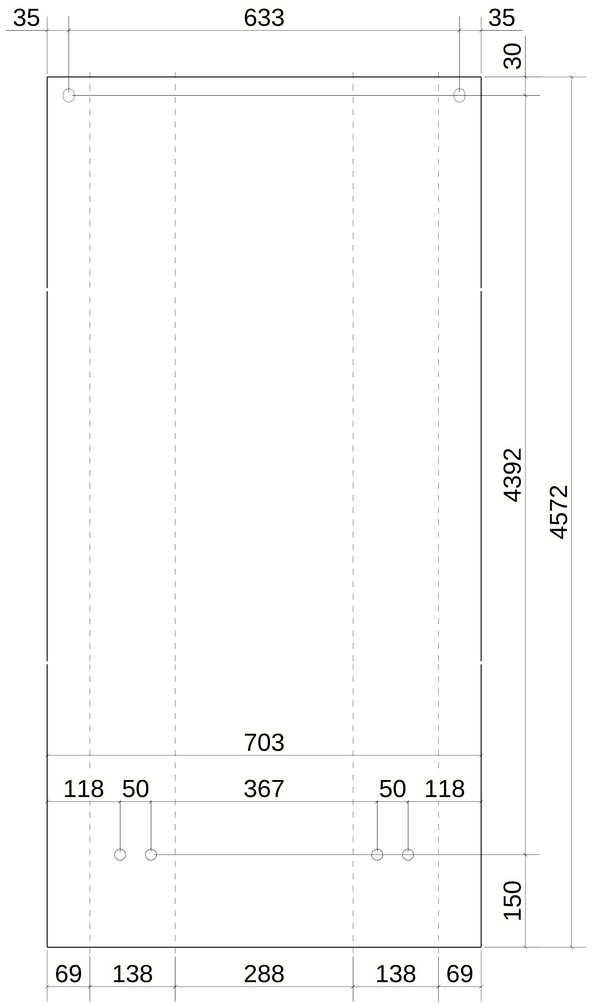
Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30089	B

Tekla Structures

QTY.	Mark
1	01-03B4-S09

MATERIAL LIST FOR ASSEMBLY MK'D W76-E2

Mark	Profile	GRADE	No.	Length	Area	Weight
E2	CHQ5*4572.0	S235JR	1	703	6.47	131.83
				Total	6.47	131.83



UNFOLDED VIEW

REVIEWED WITH COMMENT MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

1 *REQUIRED AS DRAWN MARKED* W76-E2/30x15 S

6 October Monorail Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Hill International Consultant | ORASCOM BOMBARDIER Main Contractor | INNOVA Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-76

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30090	B

Tekla Structures

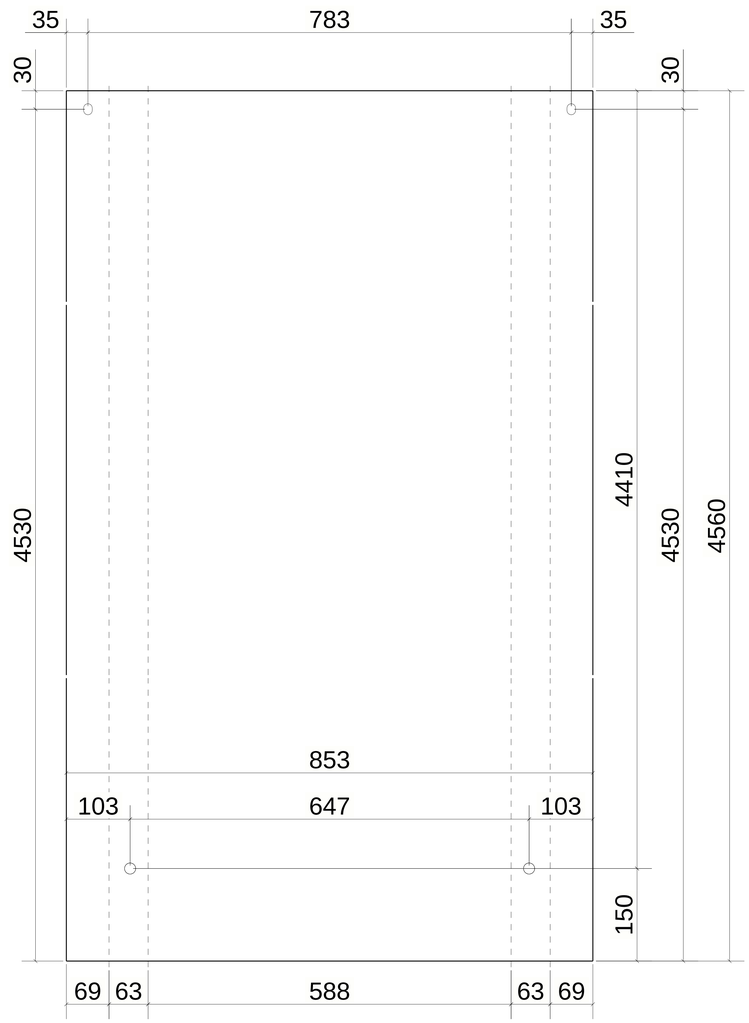
QTY.	Mark
1	01-03B4-S09

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

MATERIAL LIST FOR ASSEMBLY MK'DW77-S2

Mark	Profile	GRADE	No.	Length	Area	Weight
S2	CHQ5*4560.0	S235JR	1	853	7.83	159.69
				Total	7.83	159.69



UNFOLDED VIEW

1 *REQUIRED AS DRAWN MARKED* W77-S2/60x7.5 S

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority — Hill International Consultant — Main Contractor — Structural Designer

KEY PLAN:

SCALE: AS SHOWN | SHOPDRAWING | DATE: 28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-77

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	047	3ACC	60L01	DWG	30091	B

Data Structures

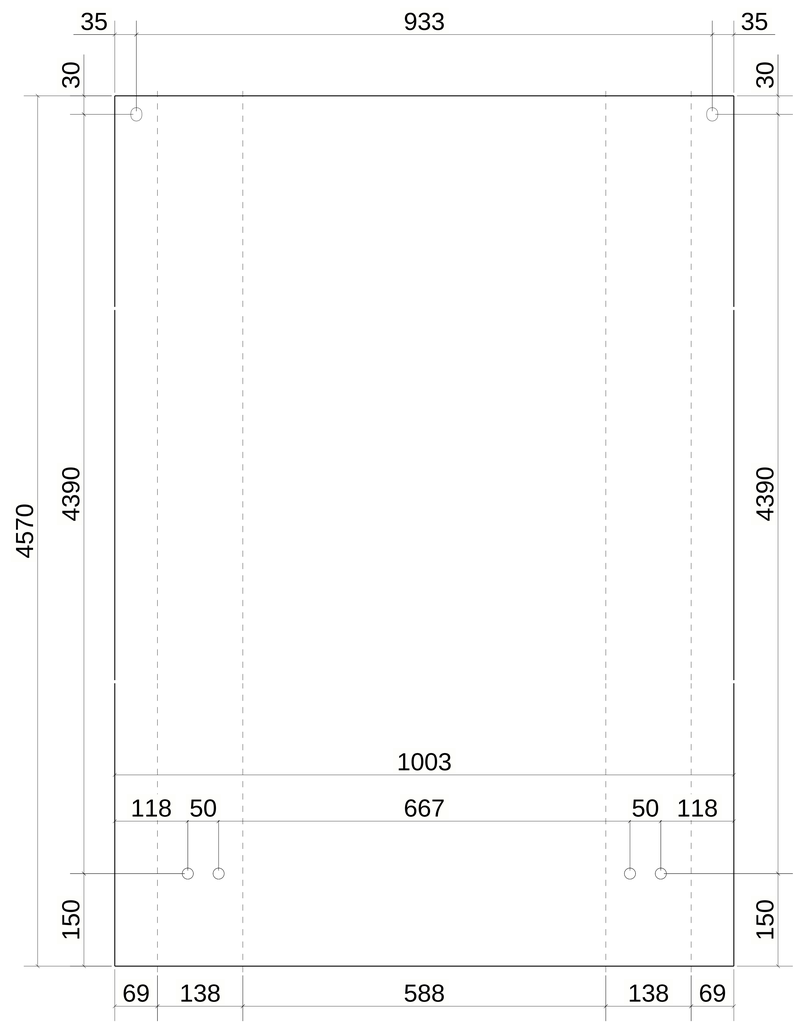
QTY.	Mark
1	01-03B4-S09

REVIEWED WITH COMMENT MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

MATERIAL LIST FOR ASSEMBLY MK'D W78-E1

Mark	Profile	GRADE	No.	Length	Area	Weight
E1	CHQ5*4570.0	S235JR	1	1003	9.22	188.32
				Total	9.22	188.32



UNFOLDED VIEW

1 *REQUIRED AS DRAWN MARKED* W78-E1/60x15 S

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Hill International Consultant | ORASCOM BOMBARDIER Main Contractor | INNOVA Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-78

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30092	B

Tekla Structures

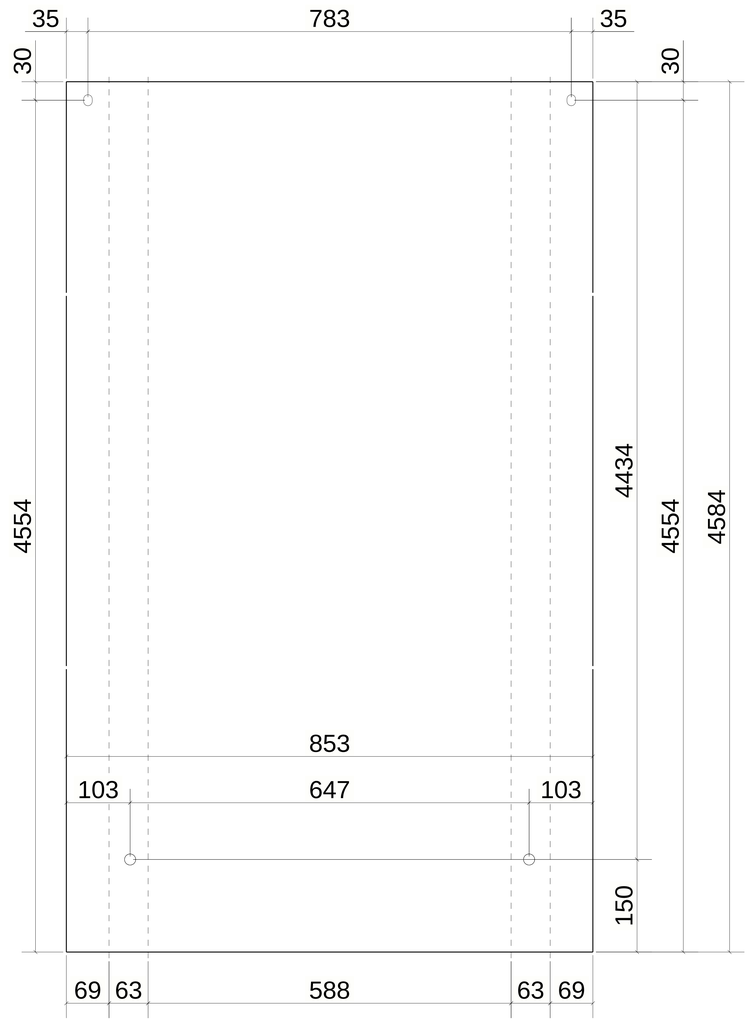
QTY.	Mark
1	01-03B4-S09

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

MATERIAL LIST FOR ASSEMBLY MK'DW79-S1

Mark	Profile	GRADE	No.	Length	Area	Weight
S1	CHQ5*4584.0	S235JR	1	853	7.87	160.53
				Total	7.87	160.53



UNFOLDED VIEW

1 *REQUIRED AS DRAWN MARKED* W79-S1/60x7.5 S

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Hill International Consultant | ORASCOM / BOMBARDIER Main Contractor | INNOVA TRANSPORTATION Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		23/4/2014

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-79

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93	M047	3ACC	60L01	DWG	30093	B

Tekla Structures

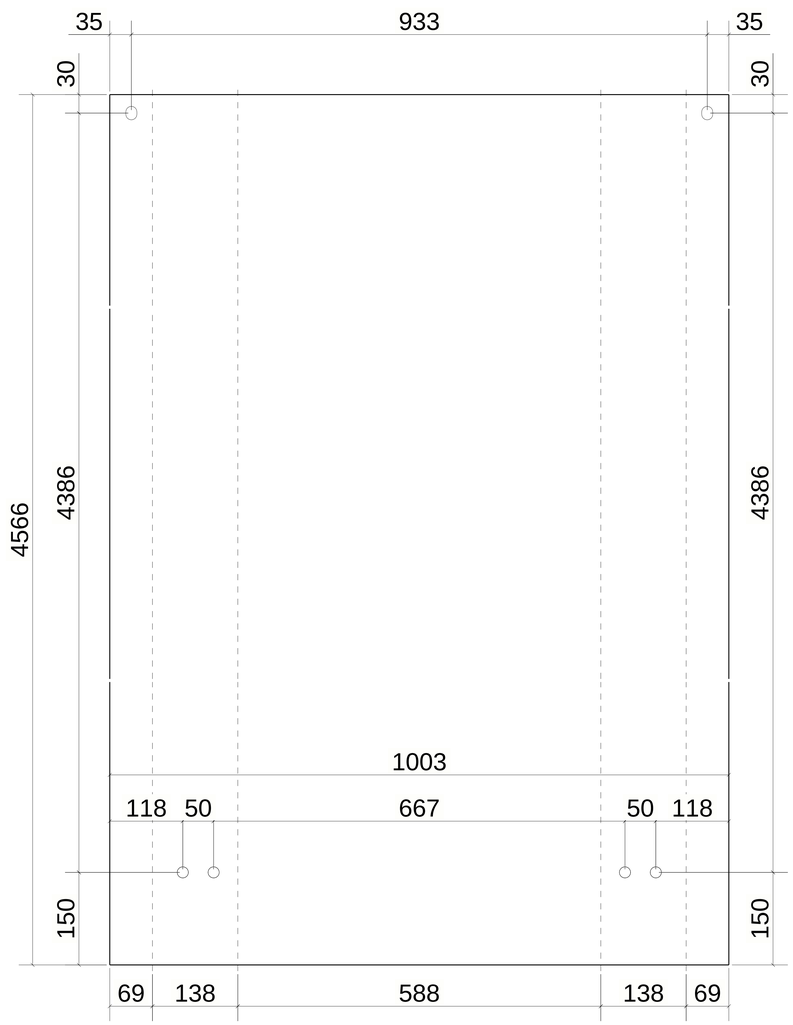
QTY.	Mark
1	01-51B1-S02

REVIEWED WITH COMMENT MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

MATERIAL LIST FOR ASSEMBLY MK'D W80-E2

Mark	Profile	GRADE	No.	Length	Area	Weight
E2	CHQ5*4566.0	S235JR	1	1003	9.21	188.16
				Total	9.21	188.16



UNFOLDED VIEW

1 *REQUIRED AS DRAWN MARKED* W80-E2/60x15 S

6 October Monorail Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority — Hill International Consultant — ORASCOM BOMBARDIER Main Contractor — INNOVA Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-80

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30094	B

Tekla Structures

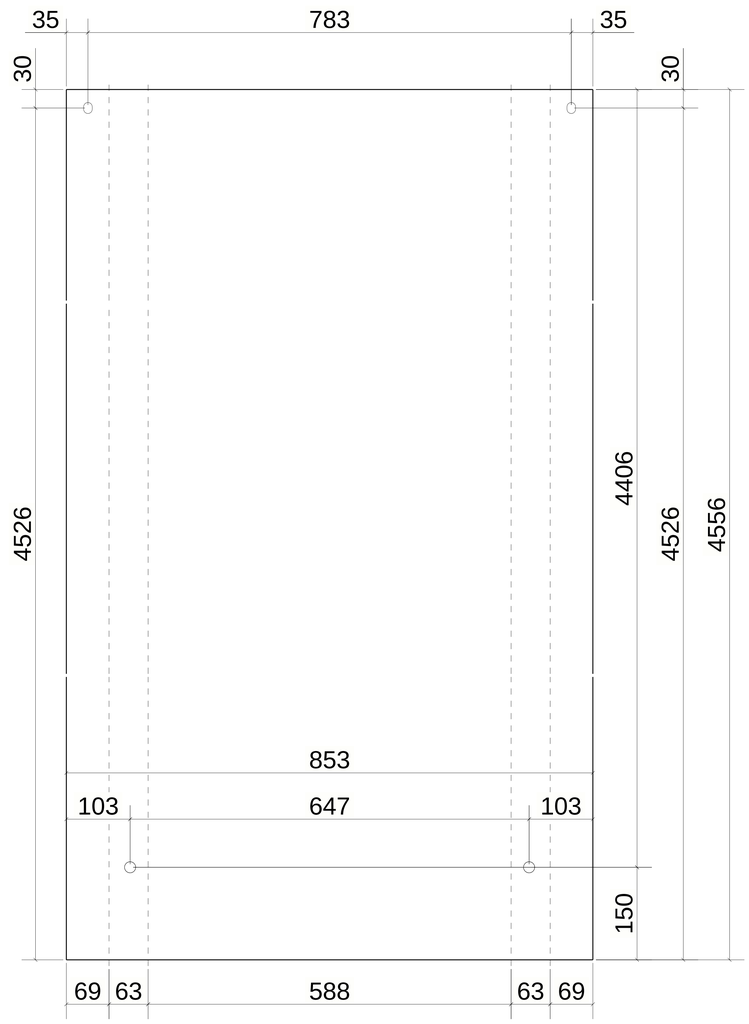
QTY.	Mark
1	01-51B1-S02

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

MATERIAL LIST FOR ASSEMBLY MK'DW81-S2

Mark	Profile	GRADE	No.	Length	Area	Weight
S2	CHQ5*4556.0	S235JR	1	853	7.82	159.56
				Total	7.82	159.56



UNFOLDED VIEW

1 *REQUIRED AS DRAWN MARKED* W81-S2/60x7.5 S

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
3	
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Hill International Consultant | Main Contractor | Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-81

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93	M047	3ACC	60L01	DWG	30095	B

Third Structures

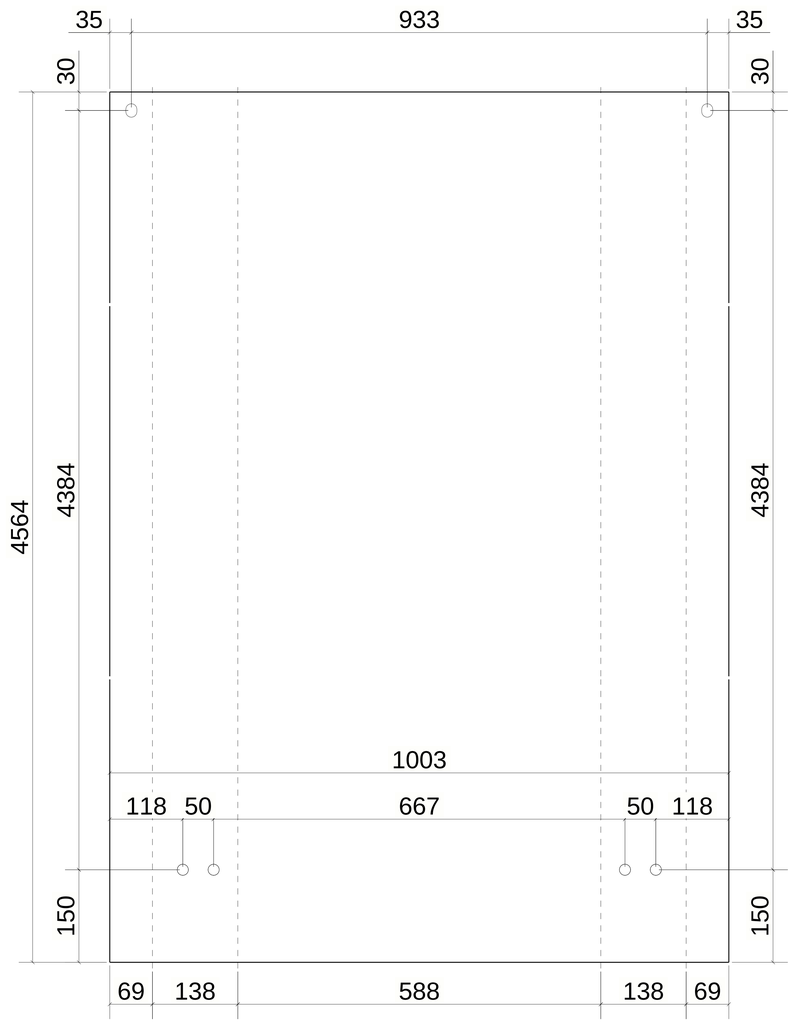
QTY.	Mark
1	01-51B1-S02

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

MATERIAL LIST FOR ASSEMBLY MK'DW82-E1

Mark	Profile	GRADE	No.	Length	Area	Weight
E1	CHQ5*4564.0	S235JR	1	1003	9.20	188.08
				Total	9.20	188.08



UNFOLDED VIEW

1 *REQUIRED AS DRAWN MARKED* W82-E1/60x15 S

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Hill International Consultant | Main Contractor | Structural Designer

KEY PLAN:

SCALE: AS SHOWN | SHOPDRAWING | DATE: 28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-82

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93	M047	3ACC	60L01	DWG	30096	B

Data Structures

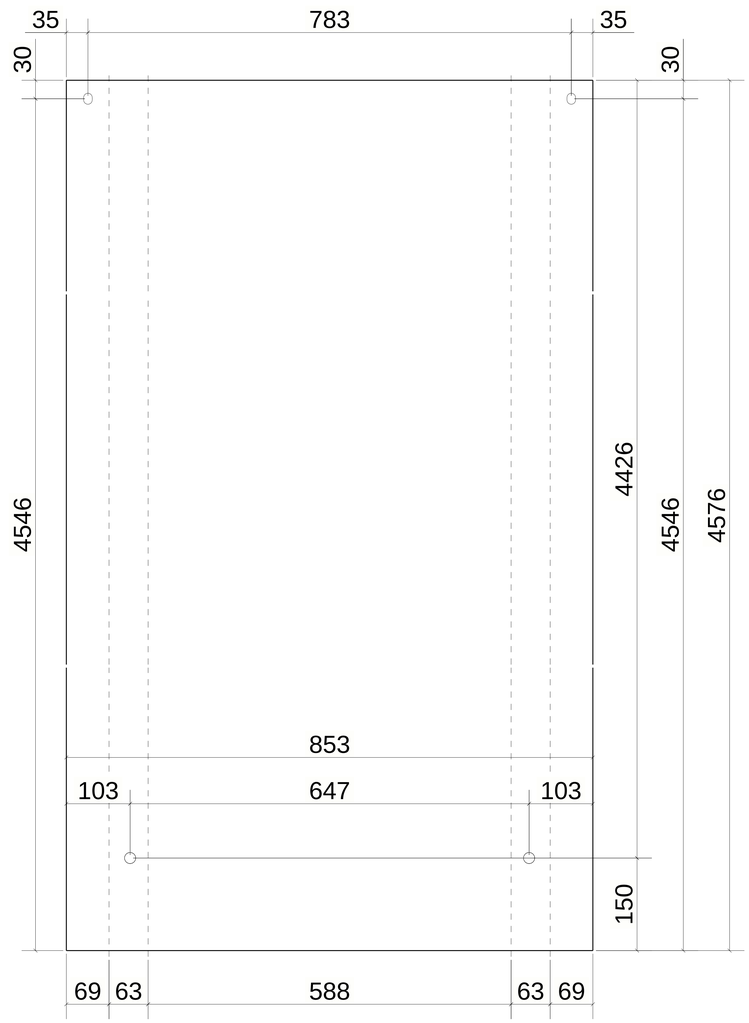
QTY.	Mark
1	01-51B1-S02

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

MATERIAL LIST FOR ASSEMBLY MK'DW83-S1

Mark	Profile	GRADE	No.	Length	Area	Weight
S1	CHQ5*4576.0	S235JR	1	853	7.85	160.26
				Total	7.85	160.26



UNFOLDED VIEW

1 *REQUIRED AS DRAWN MARKED* W83-S1/60x7.5 S

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Consultant: Hill International | Main Contractor: ORASCOM CONSTRUCTION, BOMBARDIER | Structural Designer: INNOVA TRANSPORTATION

KEY PLAN:

SCALE: AS SHOWN | SHOPDRAWING | DATE: 28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-83

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30097	B

Tekla Structures

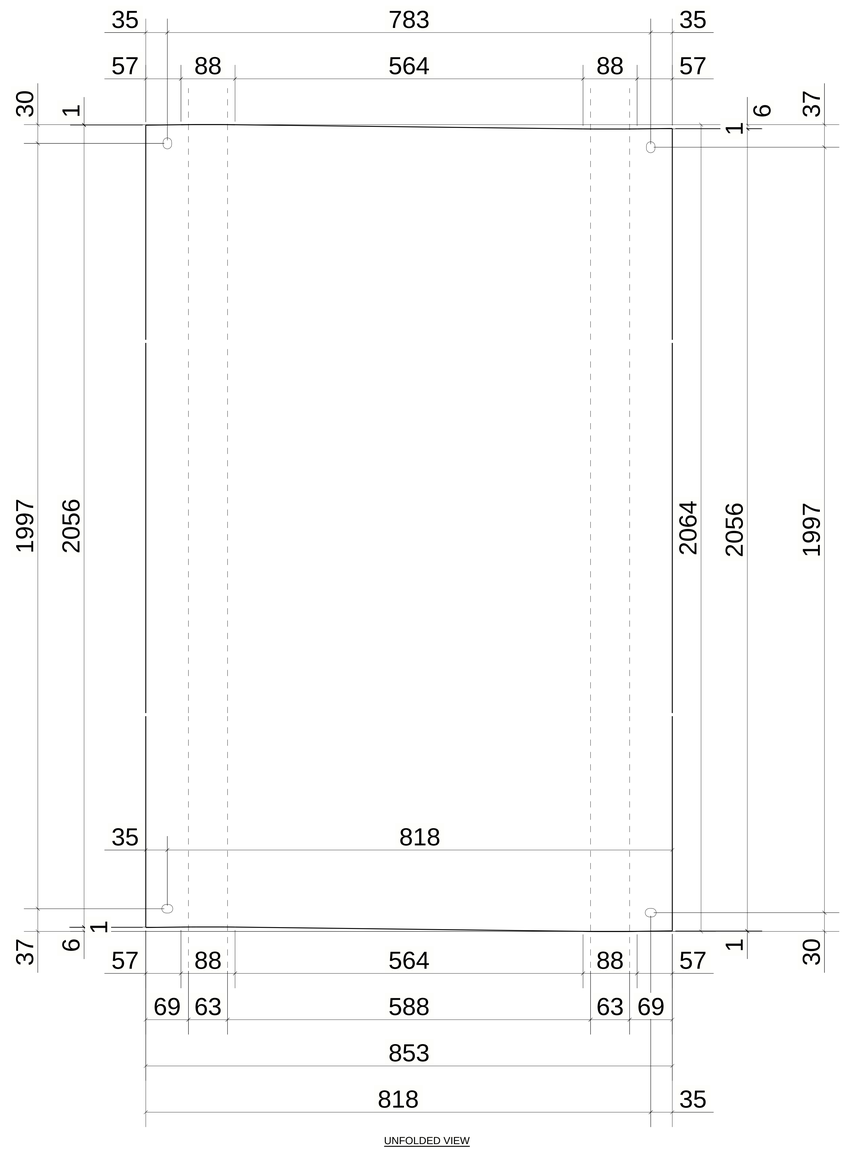
QTY.	Mark
1	01-51B1-S03
1	01-51B1-S09

REVIEWED WITH COMMENT MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

MATERIAL LIST FOR ASSEMBLY MK'D W84-S2

Mark	Profile	GRADE	No.	Length	Area	Weight
S2	CHQ5*2064.0	S235JR	1	853	3.53	72.03
				Total	3.53	72.03



UNFOLDED VIEW

2 *REQUIRED AS DRAWN MARKED* W84-S2/60x7.5

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
3	
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Hill International Consultant | ORASCOM BOMBARDIER Main Contractor | INNOVA TRANSPORTATION Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-84

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30098	B

Tekla Structures

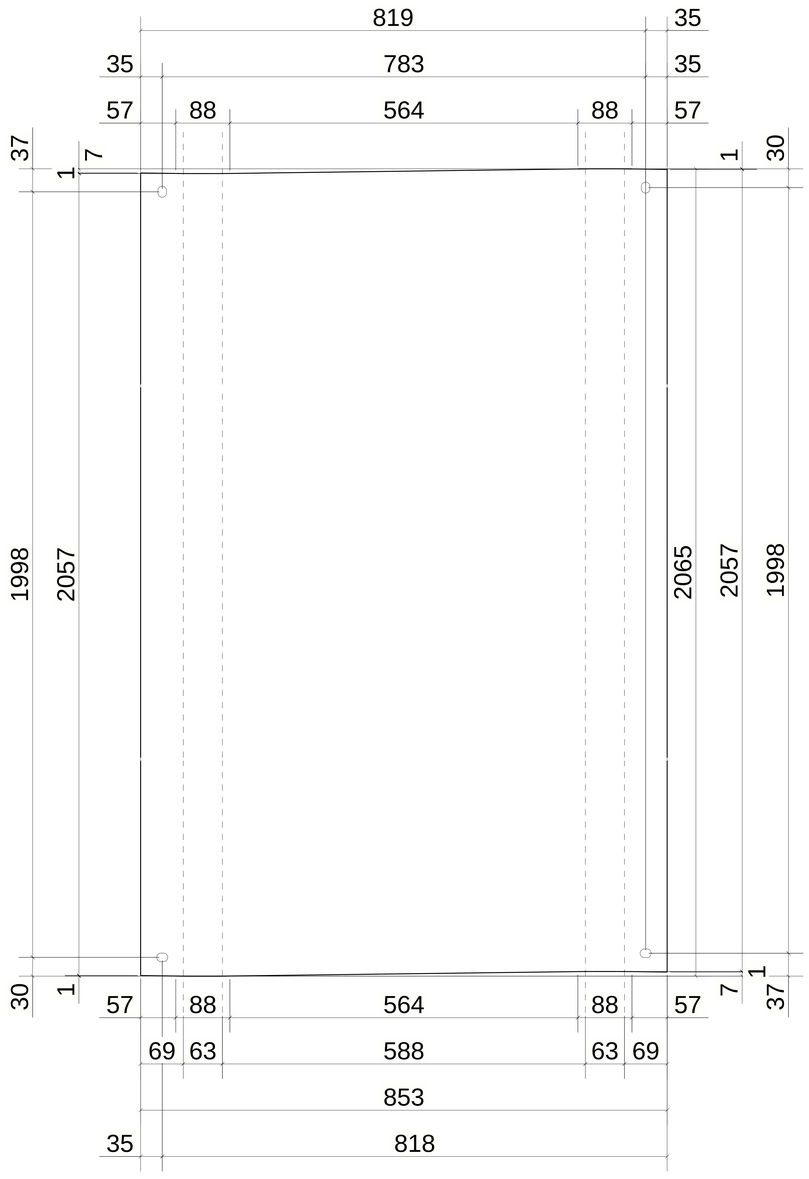
QTY.	Mark
1	01-51B1-S03
1	01-51B1-S09

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

MATERIAL LIST FOR ASSEMBLY MK'D W85-S1

Mark	Profile	GRADE	No.	Length	Area	Weight
S1	CHQ5*2066.0	S235JR	1	853	3.54	72.06
				Total	3.54	72.06



UNFOLDED VIEW

2 *REQUIRED AS DRAWN MARKED* W85-S1/60x7.5

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Consultant: Hill International | Main Contractor: ORASCOM CONSTRUCTION, BOMBARDIER, The Arab Contractors | Structural Designer: INNOVA TRANSPORTATION

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV.	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-85

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93	M047	3ACC	60L01	DWG	30099	B

Tekla Structures

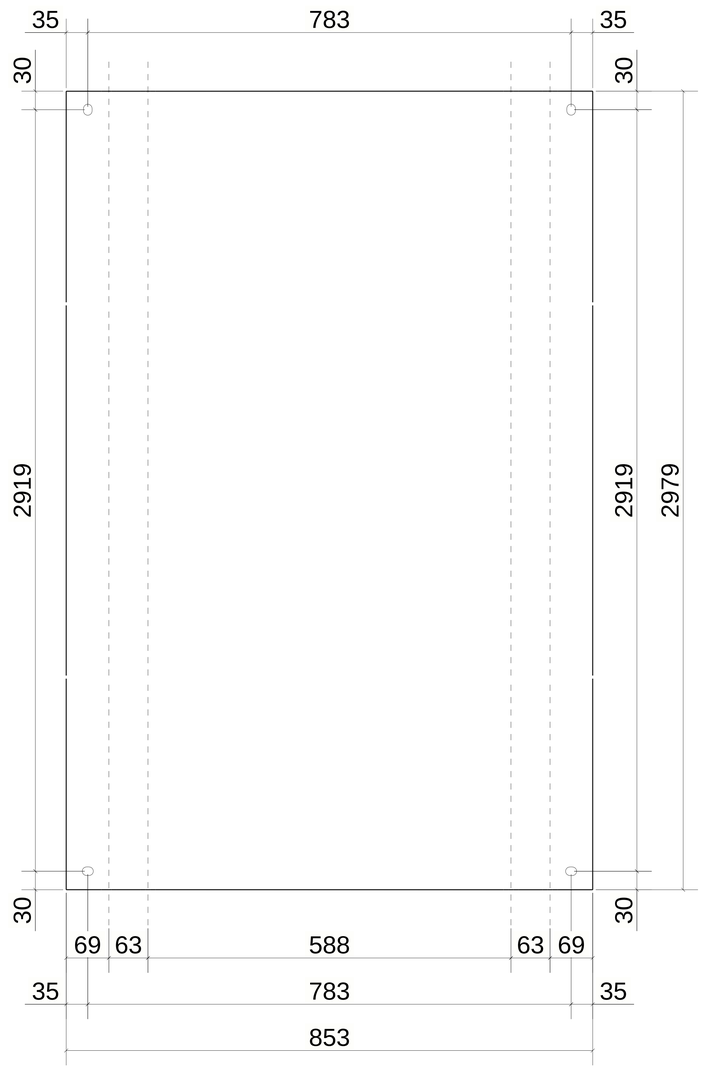
QTY.	Mark
1	01-51B1-S04
1	01-51B1-S07

MATERIAL LIST FOR ASSEMBLY MK'D W86-S2

Mark	Profile	GRADE	No.	Length	Area	Weight
S2	CHQ5*2978.0	S235JR	1	853	5.12	104.32
				Total	5.12	104.32

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing



UNFOLDED VIEW

2 *REQUIRED AS DRAWN MARKED* W86-S2/60x7.5

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority — Hill International Consultant — Main Contractor — Structural Designer

KEY PLAN:

SCALE: AS SHOWN | SHOPDRAWING | DATE: 28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-86

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	047	ACC	60L01	DWG	30100	B

Data Structures

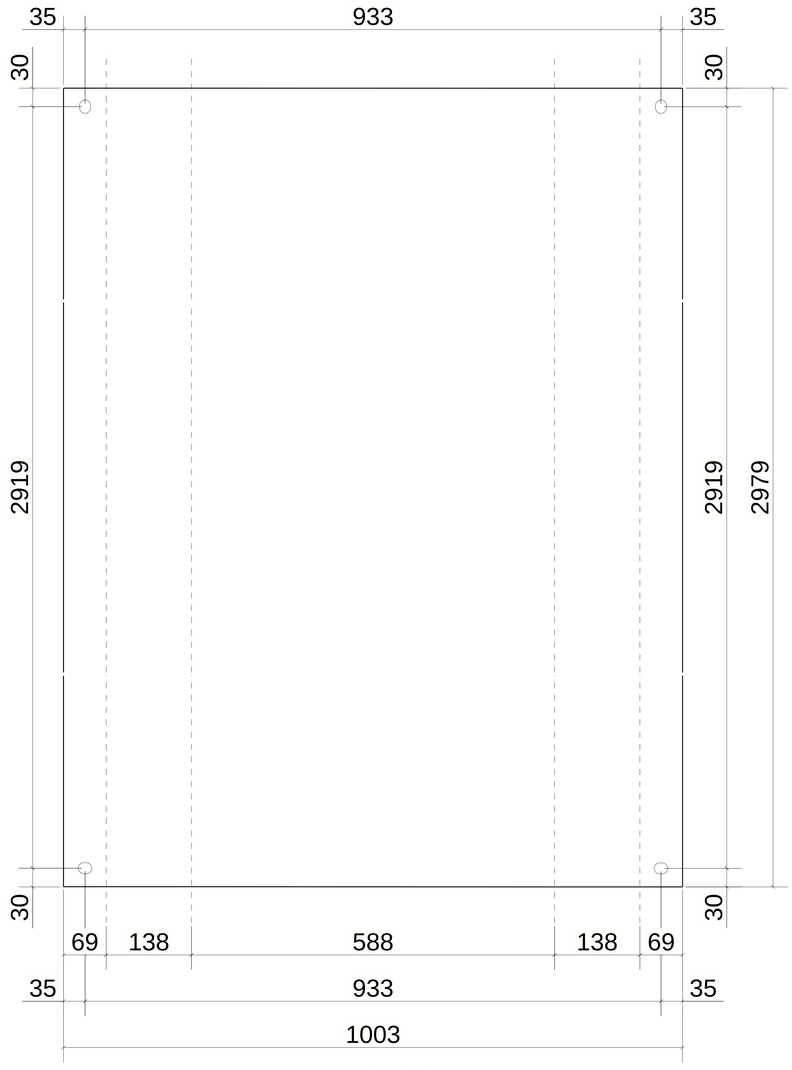
QTY.	Mark
1	01-51B1-S05
1	01-51B1-S06
1	01-51B1-S07
1	01-51B1-S08
1	01-51B2-S04
1	01-51B2-S05
1	01-51B2-S09

MATERIAL LIST FOR ASSEMBLY MK'D W87-E3

Mark	Profile	GRADE	No.	Length	Area	Weight
E3	CHQ5*2980.0	S235JR	1	1003	6.01	122.76
				Total	6.01	122.76

REVIEWED WITH COMMENT MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing



UNFOLDED VIEW

7 *REQUIRED AS DRAWN MARKED* W87-E3/60x15

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Hill International Consultant | ORASCOM BOMBARDIER Main Contractor | INNOVA Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-87

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30101	B

Tekla Structures

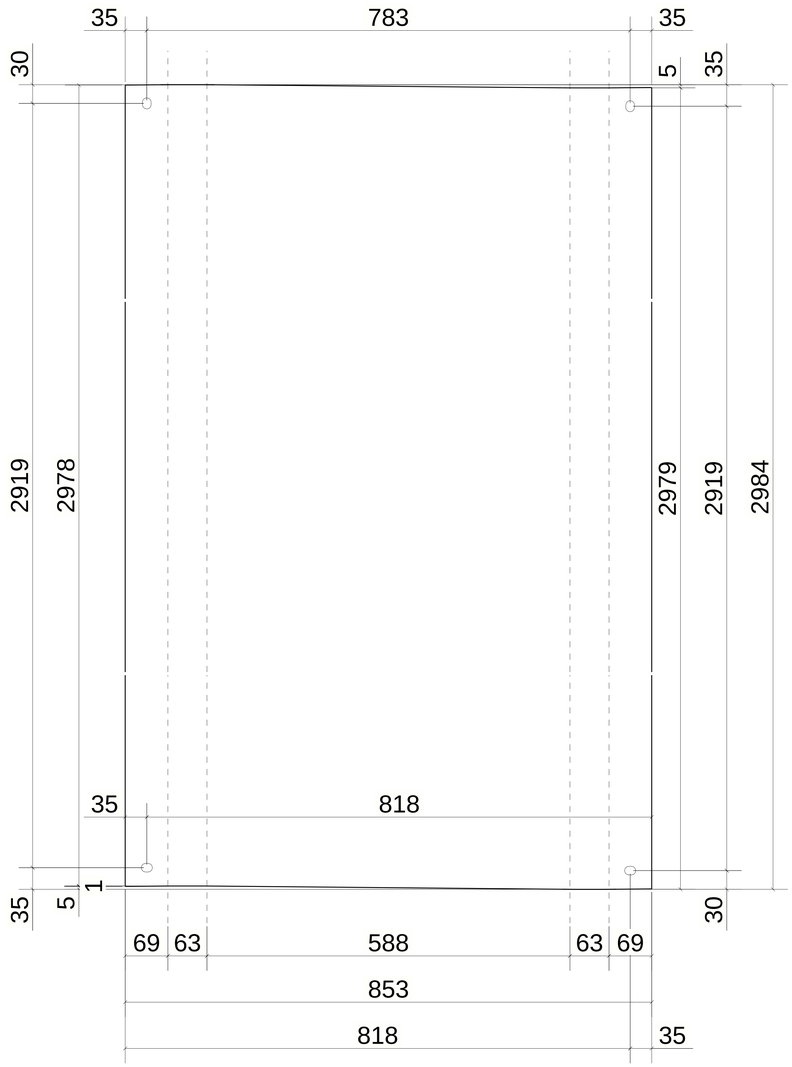
QTY.	Mark
1	01-51B1-S05
1	01-51B1-S06
1	01-51B1-S08

MATERIAL LIST FOR ASSEMBLY MK'D W88-S2

Mark	Profile	GRADE	No.	Length	Area	Weight
S2	CHQ5*2984.0	S235JR	1	853	5.12	104.32
				Total	5.12	104.32

REVIEWED WITH COMMENT MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing



UNFOLDED VIEW

3 *REQUIRED AS DRAWN MARKED* W88-S2/60x7.5

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
3	
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Hill International Consultant | ORASCOM BOMBARDIER Main Contractor | INNOVA Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-88

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30102	B

Tekla Structures

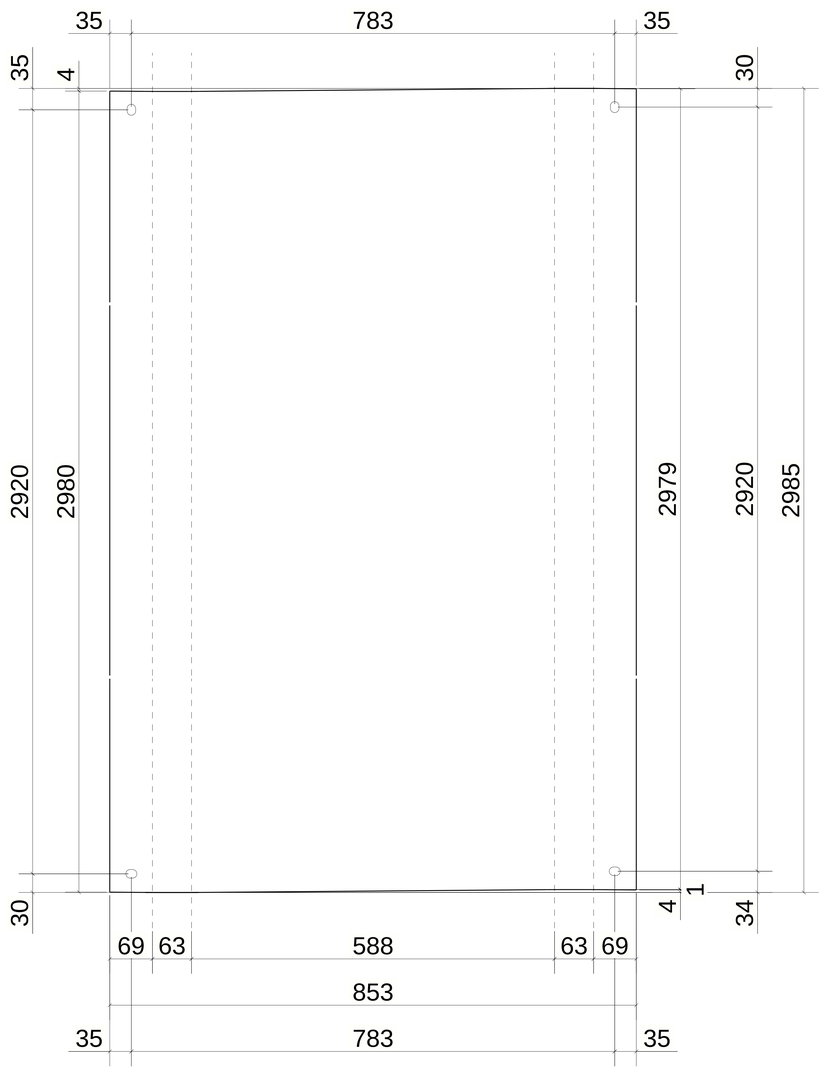
QTY.	Mark
1	01-51B1-S05
1	01-51B1-S06
1	01-51B1-S08

MATERIAL LIST FOR ASSEMBLY MK'D W89-S1

Mark	Profile	GRADE	No.	Length	Area	Weight
S1	CHQ5*2984.0	S235JR	1	853	5.12	104.36
				Total	5.12	104.36

REVIEWED WITH COMMENT MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing



UNFOLDED VIEW

3 *REQUIRED AS DRAWN MARKED* W89-S1/60x7.5

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
3	
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Hill International Consultant | ORASCOM BOMBARDIER Main Contractor | INNOVA Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-89

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30103	B

Tekla Structures

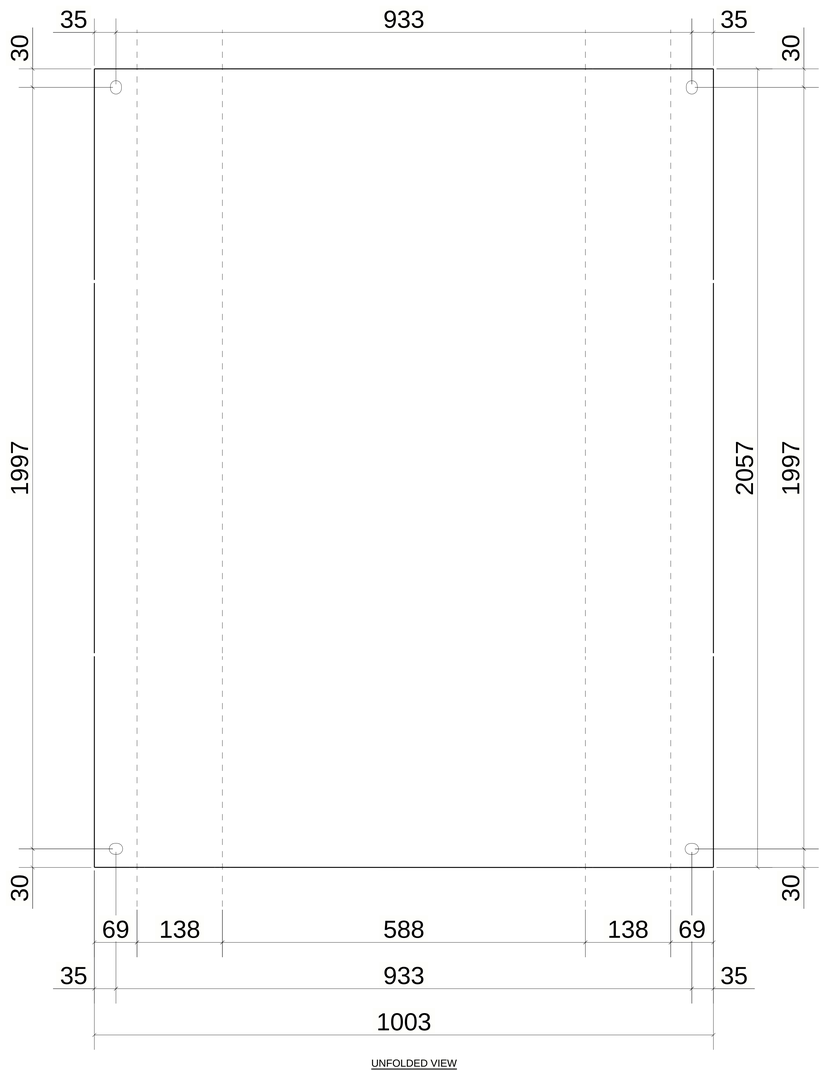
QTY.	Mark
1	01-51B1-S09

MATERIAL LIST FOR ASSEMBLY MK'D W90-E3

Mark	Profile	GRADE	No.	Length	Area	Weight
E3	CHQ5*2058.0	S235JR	1	1003	4.15	84.76
				Total	4.15	84.76

REVIEWED WITH COMMENT MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing



UNFOLDED VIEW

1 *REQUIRED AS DRAWN MARKED* W90-E3/60x15

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority — Hill International Consultant — ORASCOM BOMBARDIER Main Contractor — INNOVA Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-90

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
9 3 M	0 4 7 3	A C C	6 0 L 0 1	D W G	3 0 1 0 4	B

Tekla Structures

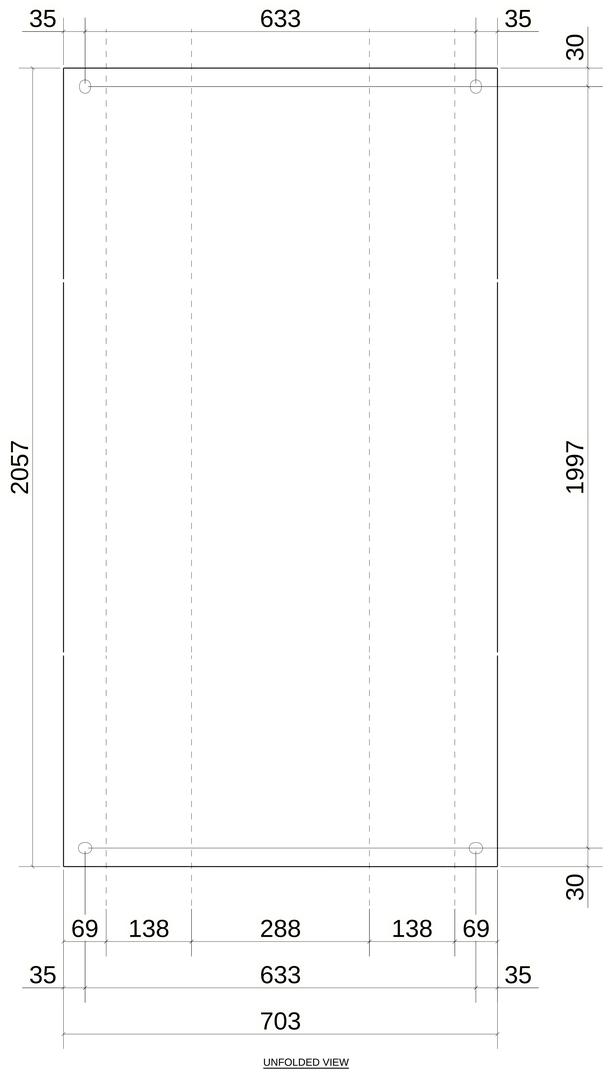
QTY.	Mark
1	01-51B1-S09

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

MATERIAL LIST FOR ASSEMBLY MK'DW91-E2

Mark	Profile	GRADE	No.	Length	Area	Weight
E2	CHQ5*2058.0	S235JR	1	703	2.92	59.31
				Total	2.92	59.31



UNFOLDED VIEW

1 *REQUIRED AS DRAWN MARKED* W91-E2/30x15

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Consultant: Hill International | Main Contractor: ORASCOM / BOMBARDIER | Structural Designer: INNOVA TRANSPORTATION

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		23/4/2024

REV.	DATE	DSG.	CHK.	APP.	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-91

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30105	B

Hill Structures

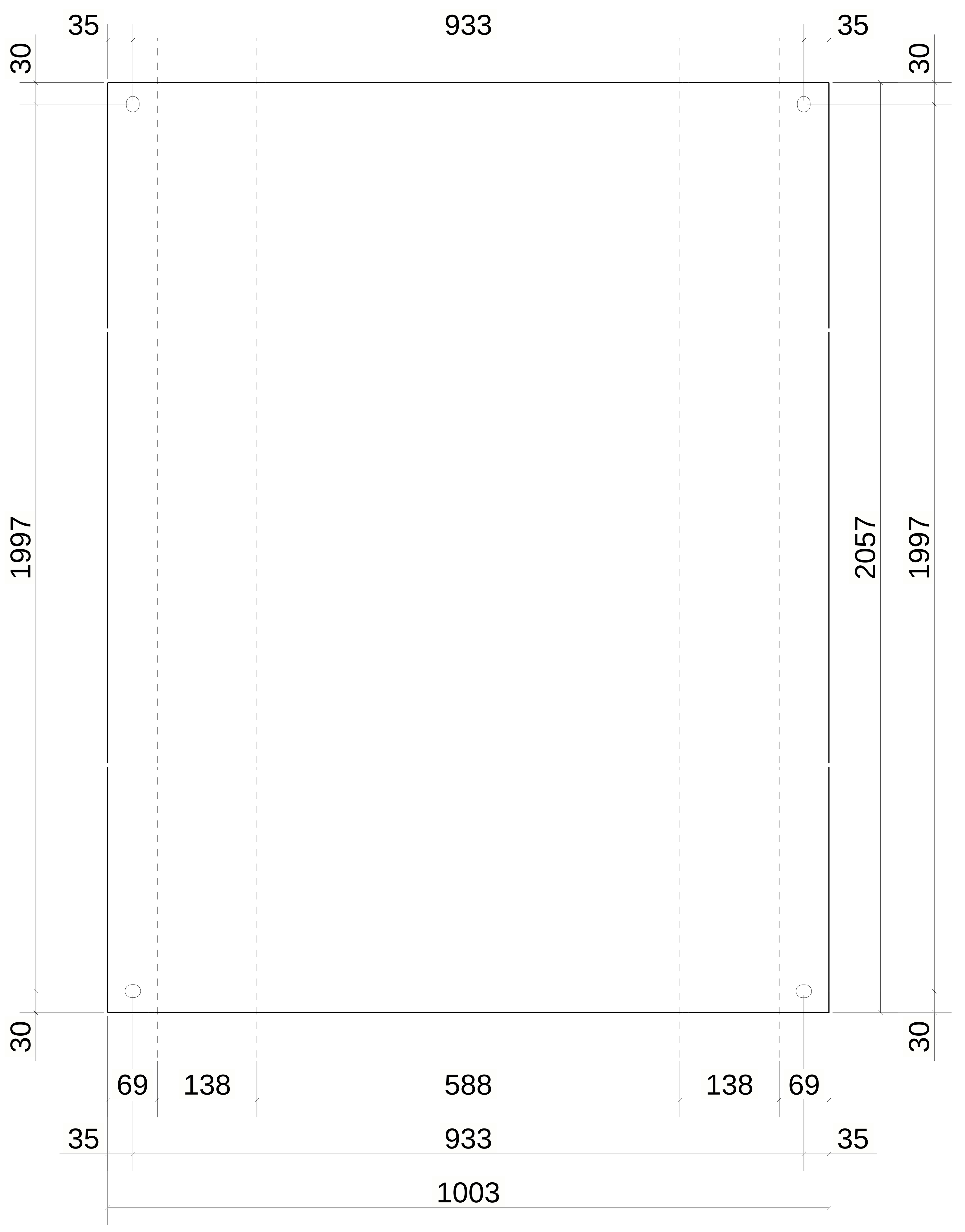
QTY.	Mark
1	01-51B1-S09

MATERIAL LIST FOR ASSEMBLY MK'D W92-E1

Mark	Profile	GRADE	No.	Length	Area	Weight
E1	CHQ5*2058.0	S235JR	1	1003	4.15	84.77
				Total	4.15	84.77

REVIEWED WITH COMMENT MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing



UNFOLDED VIEW

1 *REQUIRED AS DRAWN MARKED* W92-E1/60x15

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Hill International Consultant | Main Contractor | Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG.	CHK.	APP.	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE

6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-92

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
9 3 M	0 4 7 3	A C C	6 0 L 0 1	D W G	3 0 1 0 6	B

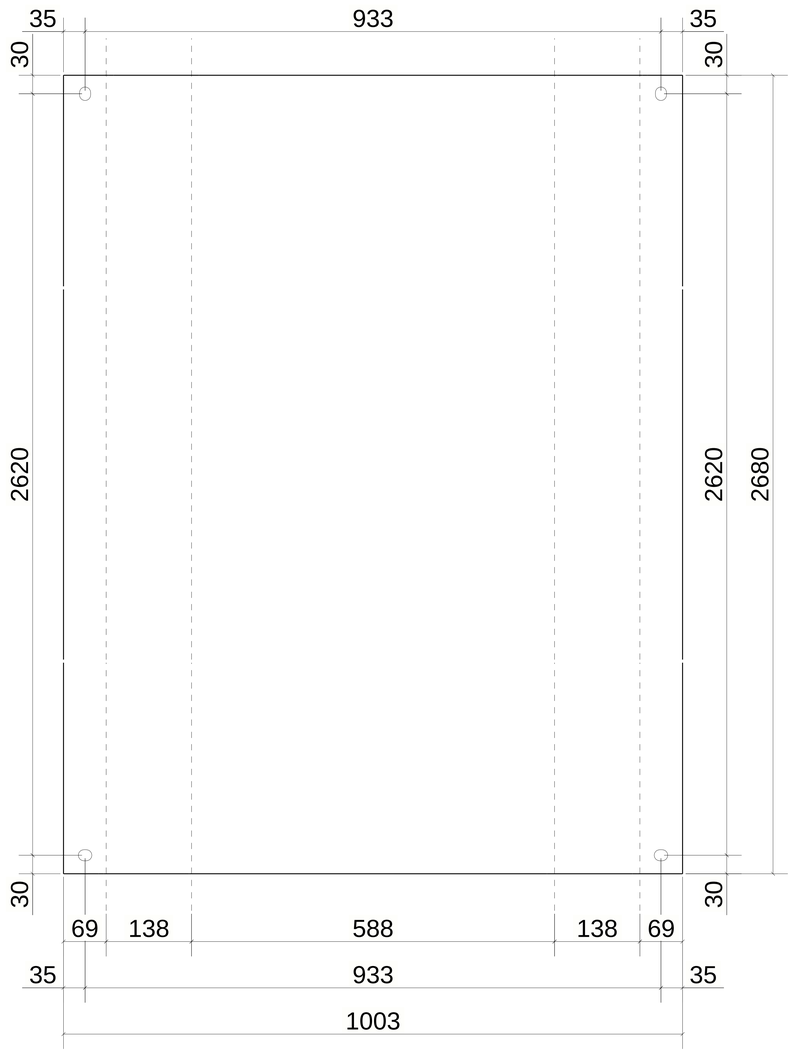
QTY.	Mark
1	01-51B2-S01

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

MATERIAL LIST FOR ASSEMBLY MK'DW93-E3

Mark	Profile	GRADE	No.	Length	Area	Weight
E3	CHQ5*2680.0	S235JR	1	1003	5.41	110.45
				Total	5.41	110.45



UNFOLDED VIEW

1 *REQUIRED AS DRAWN MARKED* W93-E3/60x15

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority — Hill International Consultant — Main Contractor — Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV.	DATE	DSG.	CHK.	APP.	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-93

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93	M047	3ACC	60L01	DWG	30107	B

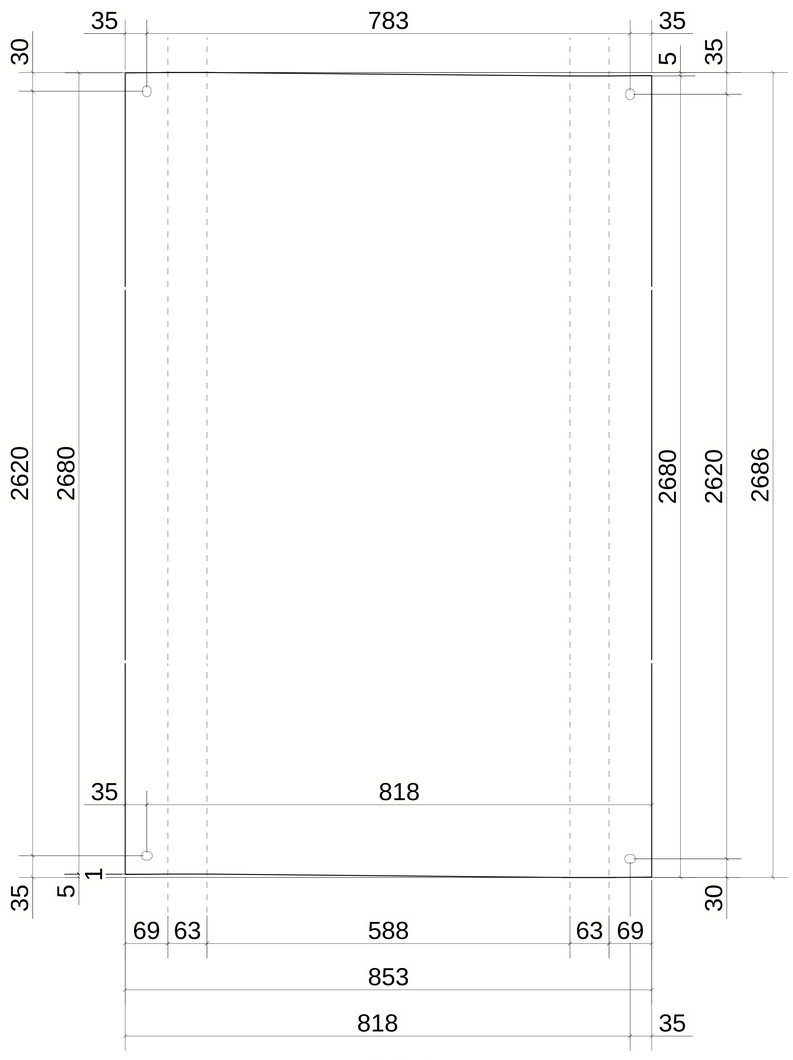
Dar Al Handasah Shair and Partners

QTY.	Mark
1	01-51B2-S01

MATERIAL LIST FOR ASSEMBLY MK'D W94-S2						
Mark	Profile	GRADE	No.	Length	Area	Weight
S2	CHQ5*2686.0	S235JR	1	853	4.60	93.87
				Total	4.60	93.87

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing



UNFOLDED VIEW

1 *REQUIRED AS DRAWN MARKED* W94-S2/60x7.5

6 October: Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority — Hill International Consultant — Main Contractor — Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV.	DATE	DSG.	CHK.	APP.	AMENDMENTS	STATUS
B	28.04.2024	A.N.	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N.	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-94

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	047	3ACC	60L01	DWG	3010	B

Tekla Structures

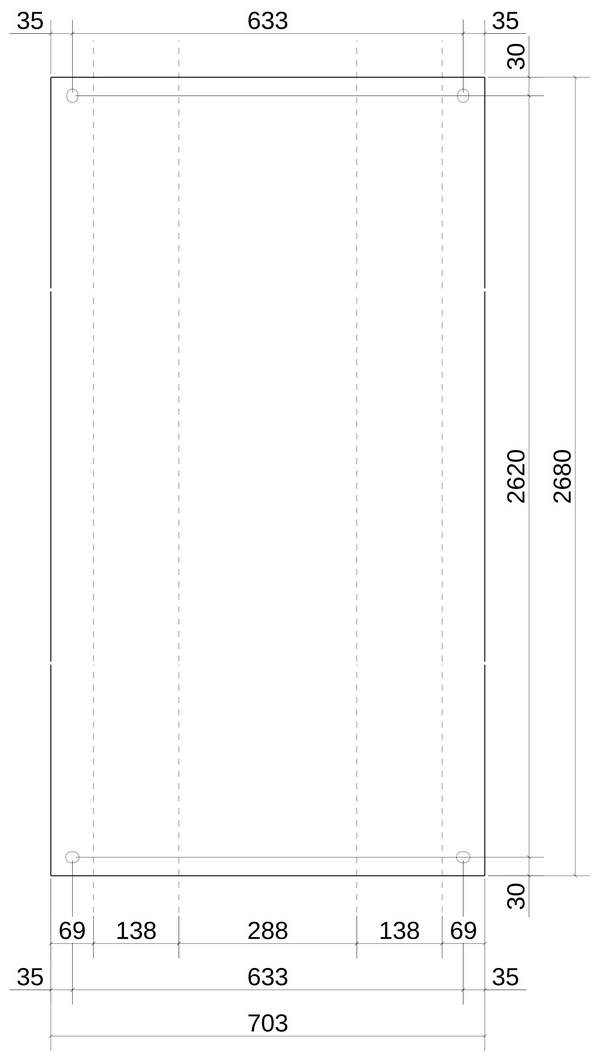
QTY.	Mark
1	01-51B2-S01

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

MATERIAL LIST FOR ASSEMBLY MK'DW95-E2

Mark	Profile	GRADE	No.	Length	Area	Weight
E2	CHQ5*2680.0	S235JR	1	703	3.80	77.28
				Total	3.80	77.28



UNFOLDED VIEW

1 *REQUIRED AS DRAWN MARKED* W95-E2/30x15

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Consultant: Hill International | Main Contractor: ORASCOM CONSTRUCTION, BOMBARDIER, The Arab Contractors | Structural Designer: INNOVA TRANSPORTATION

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV.	DATE	DSG.	CHK.	APP.	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-95

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	047	3ACC	60L01	DWG	30109	B

Delta Structures

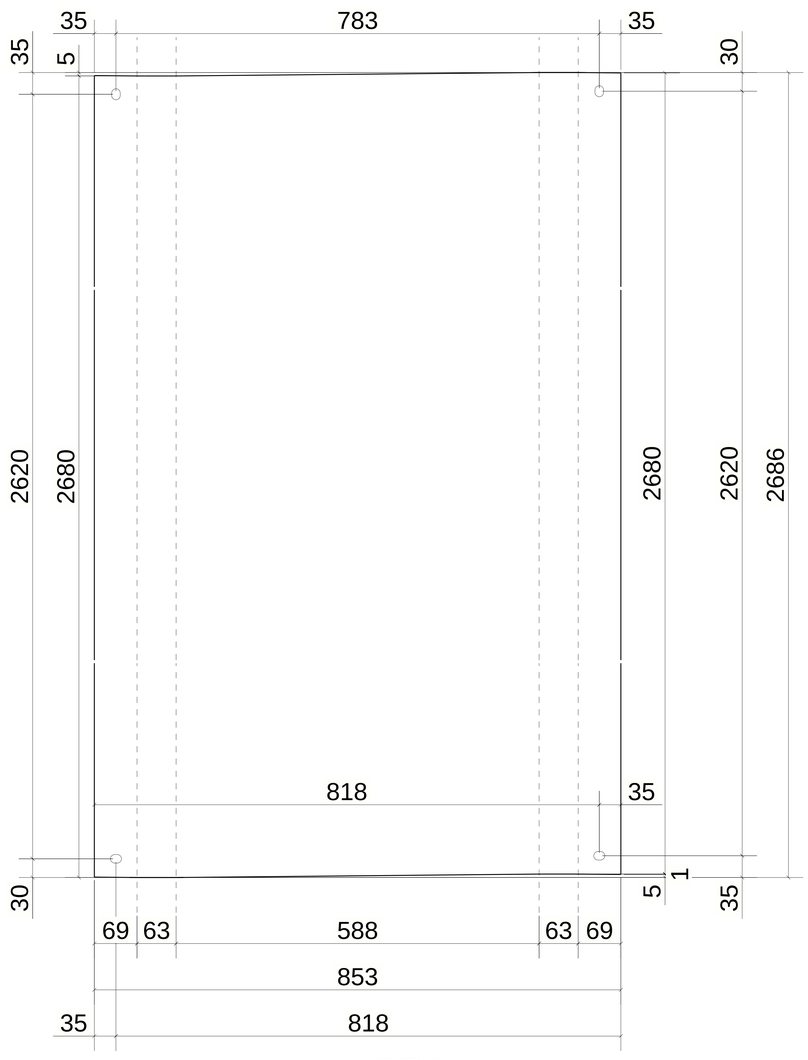
QTY.	Mark
1	01-51B2-S01

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

MATERIAL LIST FOR ASSEMBLY MK'DW96-S1

Mark	Profile	GRADE	No.	Length	Area	Weight
S1	CHQ5*2686.0	S235JR	1	853	4.60	93.87
				Total	4.60	93.87



UNFOLDED VIEW

1 *REQUIRED AS DRAWN MARKED* W96-S1/60x7.5

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority — Hill International (Consultant) — Main Contractor — Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV.	DATE	DSG.	CHK.	APP.	AMENDMENTS	STATUS
B	28.04.2024	A.N.	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N.	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-96

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	04	73	ACC	60	L01	DWG	3011	B

Tekla Structures

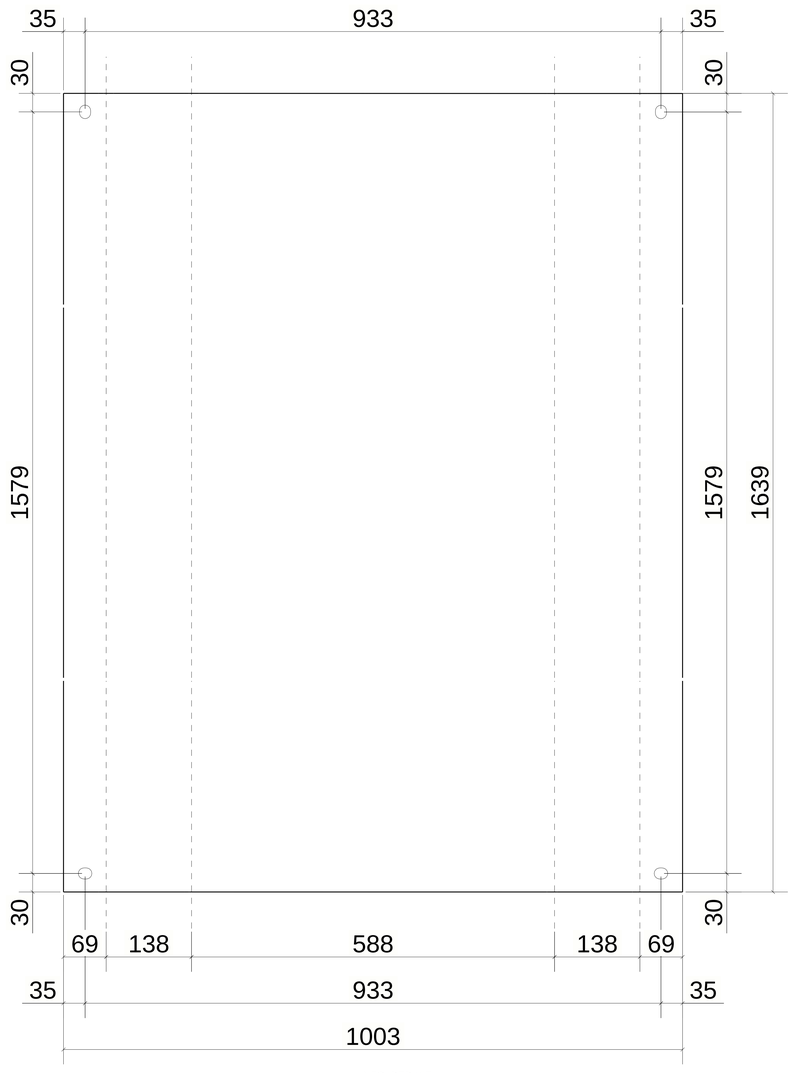
QTY.	Mark
1	01-51B2-S02

REVIEWED WITH COMMENT MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

MATERIAL LIST FOR ASSEMBLY MK'D W97-E3

Mark	Profile	GRADE	No.	Length	Area	Weight
E3	CHQ5*1640.0	S235JR	1	1003	3.31	67.55
				Total	3.31	67.55



UNFOLDED VIEW

1 *REQUIRED AS DRAWN MARKED* W97-E3/60x15

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Hill International Consultant | ORASCOM BOMBARDIER Main Contractor | INNOVA TRANSPORTATION Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-97

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30111	B

Tekla Structures

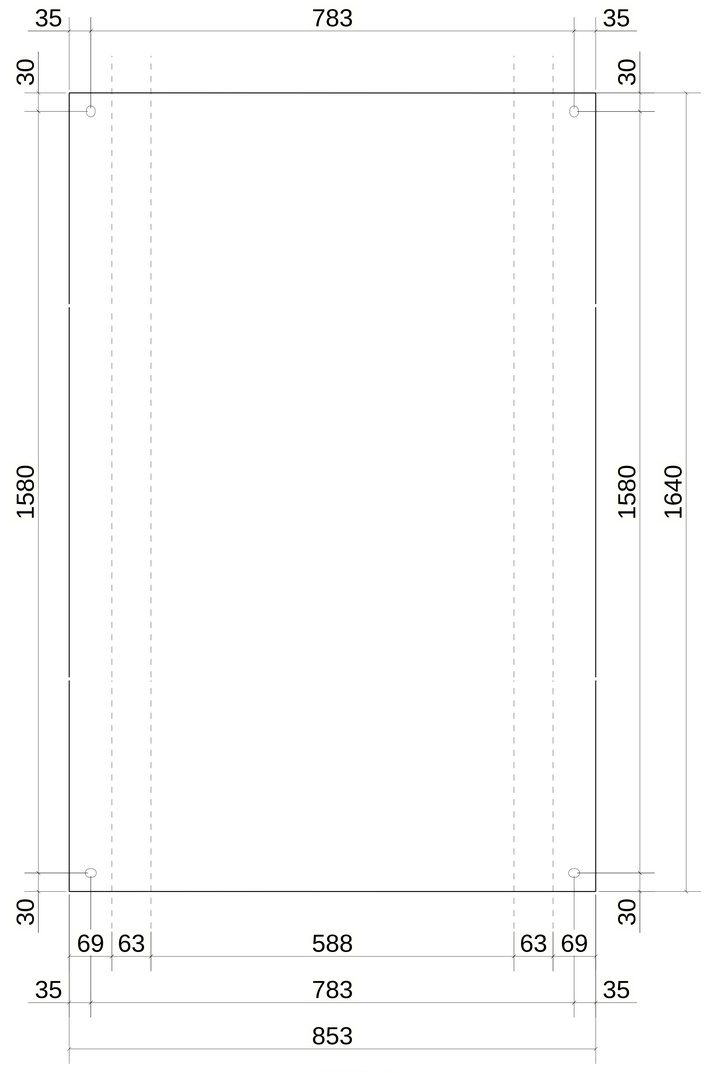
QTY.	Mark
1	01-51B2-S02

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

MATERIAL LIST FOR ASSEMBLY MK'D W98-S2

Mark	Profile	GRADE	No.	Length	Area	Weight
S2	CHQ5*1640.0	S235JR	1	853	2.82	57.42
				Total	2.82	57.42



UNFOLDED VIEW

1 *REQUIRED AS DRAWN MARKED* W98-S2/60x7.5

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority — Hill International Consultant — Main Contractor — Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-98

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	3012	B

Tekla Structures

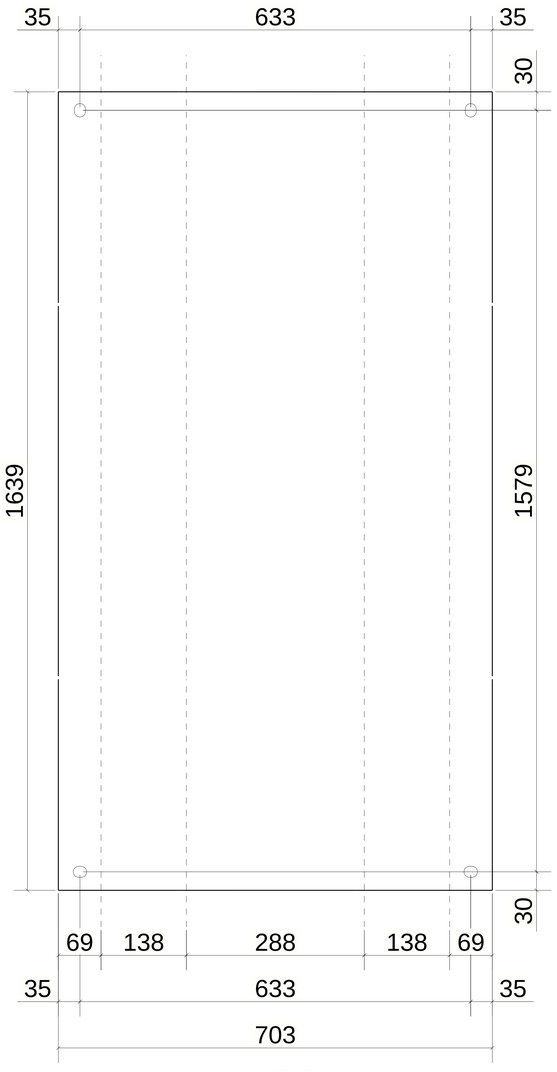
QTY.	Mark
1	01-51B2-S02

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

MATERIAL LIST FOR ASSEMBLY MK'DW99-E2

Mark	Profile	GRADE	No.	Length	Area	Weight
E2	CHQ5*1640.0	S235JR	1	703	2.33	47.26
				Total	2.33	47.26



UNFOLDED VIEW

1 *REQUIRED AS DRAWN MARKED* W99-E2/30x15

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Hill International Consultant | ORASCOM / BOMBARDIER Main Contractor | INNOVA Structural Engineering Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-99

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	047	ACC	60L01	DWG	3011	3 B

Trimble Sketchup

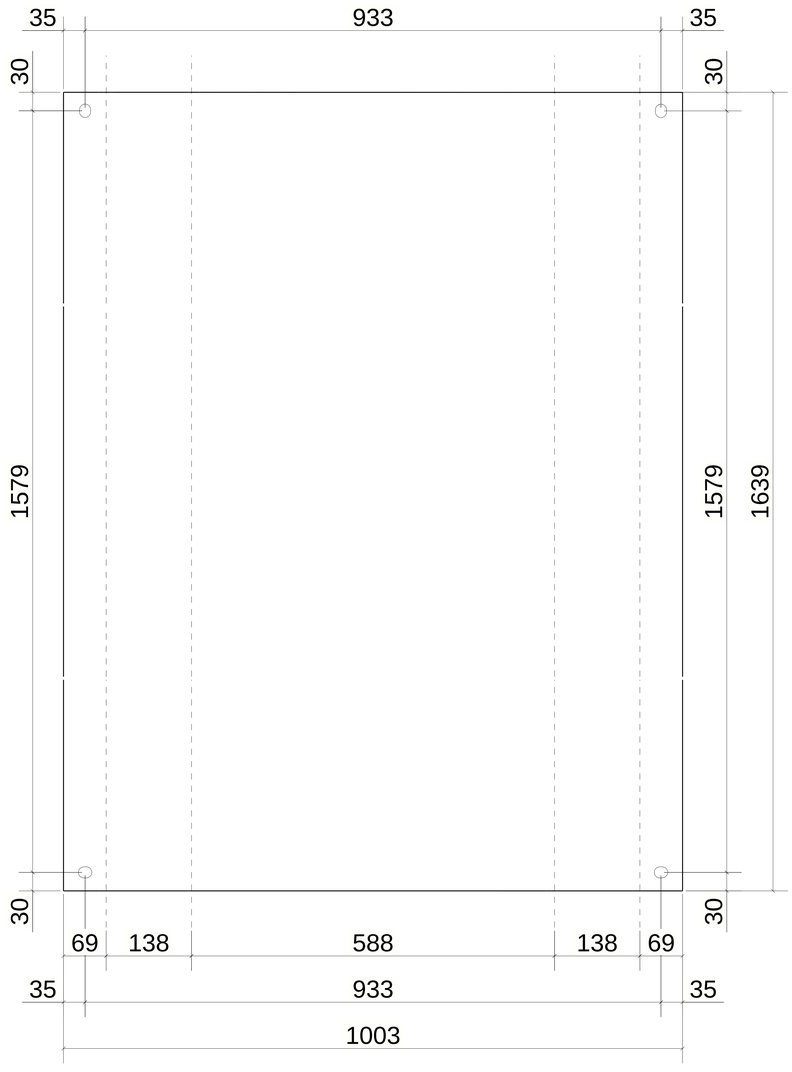
QTY.	Mark
1	01-51B2-S02

MATERIAL LIST FOR ASSEMBLY MK'D W100-E1

Mark	Profile	GRADE	No.	Length	Area	Weight
E1	CHQ5*1640.0	S235JR	1	1003	3.31	67.54
				Total	3.31	67.54

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing



UNFOLDED VIEW

1 *REQUIRED AS DRAWN MARKED* W100-E1/60x15

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
3	
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Consultant: Hill International | Main Contractor: ORASCOM CONSTRUCTION / BOMBARDIER | Structural Designer: INNOVA TRANSPORTATION

KEY PLAN:

SCALE: AS SHOWN | SHOPDRAWING | DATE: 28/4/2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-100

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30114	B

Doka Solutions

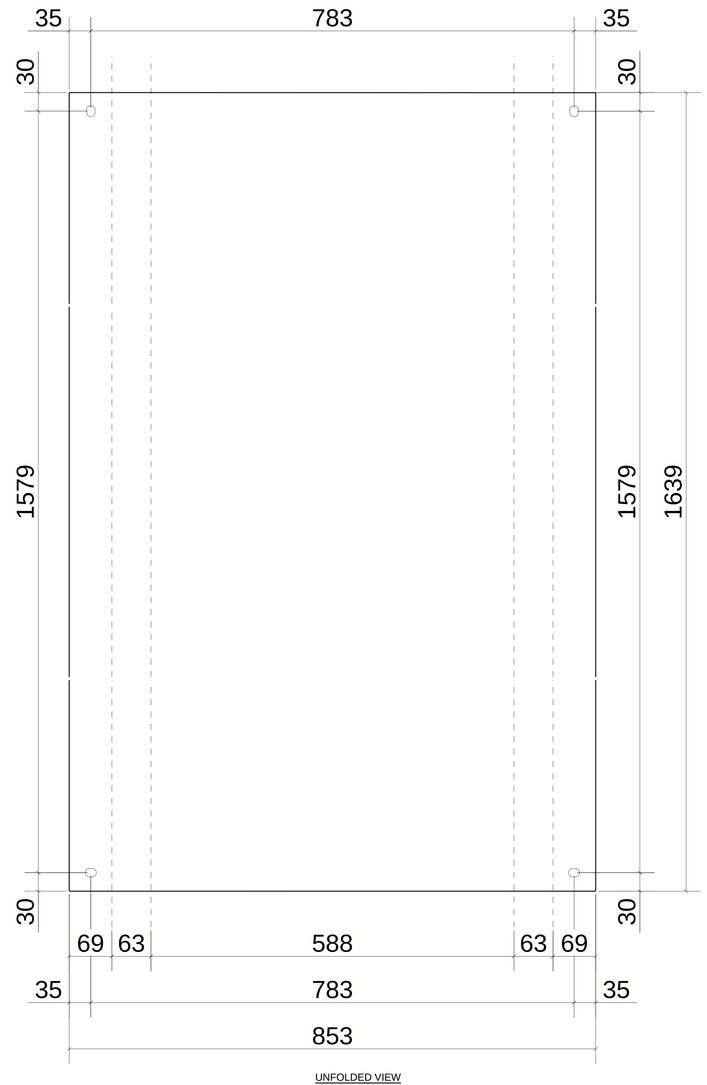
QTY.	Mark
1	01-51B2-S02

MATERIAL LIST FOR ASSEMBLY MK'D W101-S1

Mark	Profile	GRADE	No.	Length	Area	Weight
S1	CHQ5*1638.0	S235JR	1	853	2.82	57.39
				Total	2.82	57.39

REVIEWED WITH COMMENT MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing



UNFOLDED VIEW

1 *REQUIRED AS DRAWN MARKED* W101-S1/60x7.5

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
3	
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Hill International Consultant | ORASCOM BOMBARDIER Main Contractor | INNOVA Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-101

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30115	B

Tekla Structures

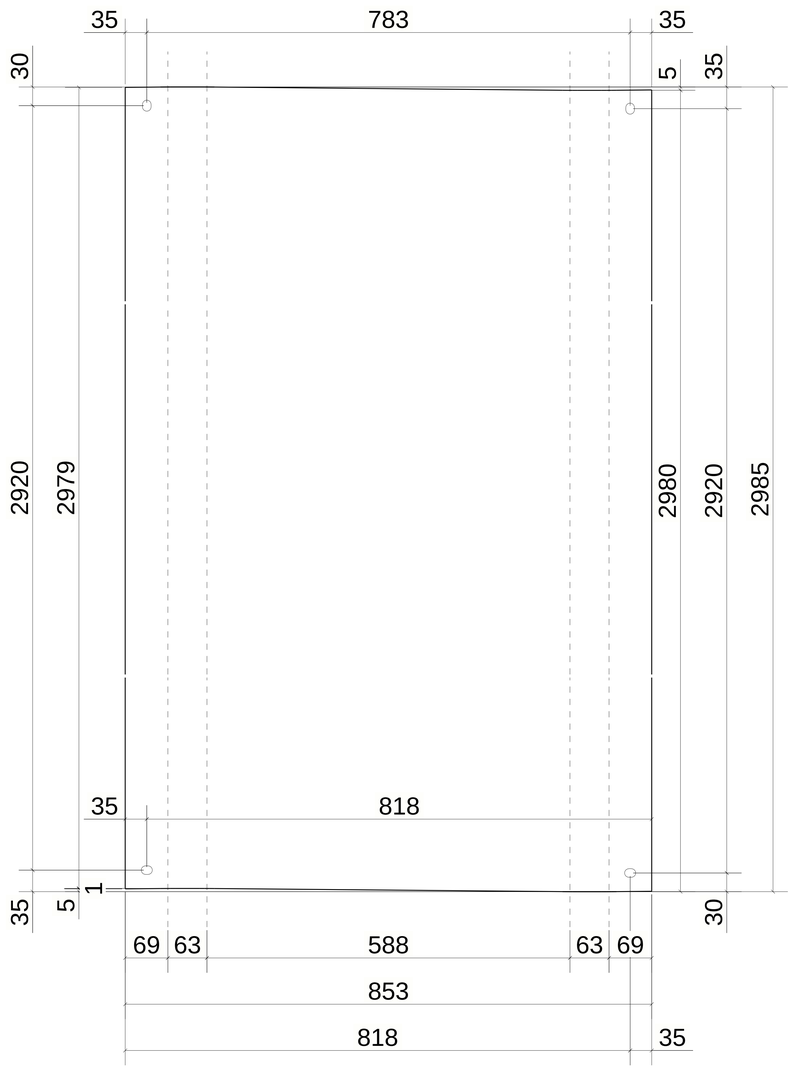
QTY.	Mark
1	01-51B2-S03
1	01-51B2-S05
1	01-51B2-S06
1	01-51B2-S07
1	01-51B2-S09

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

MATERIAL LIST FOR ASSEMBLY MK'D W102-S2

Mark	Profile	GRADE	No.	Length	Area	Weight
S2	CHQ5*2986.0	S235JR	1	853	5.12	104.36
				Total	5.12	104.36



UNFOLDED VIEW

5 *REQUIRED AS DRAWN MARKED* W102-S2/60x7.5

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Hill International Consultant | ORASCOM BOMBARDIER Main Contractor | INNOVA TRANSPORTATION Structural Designer

KEY PLAN:

SCALE: AS SHOWN | SHOPDRAWING | DATE: 28.04.2024

REV.	DATE	DSG.	CHK.	APP.	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-102

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93	M047	3ACC	60L01	DWG	30116	B

Trimble Solutions

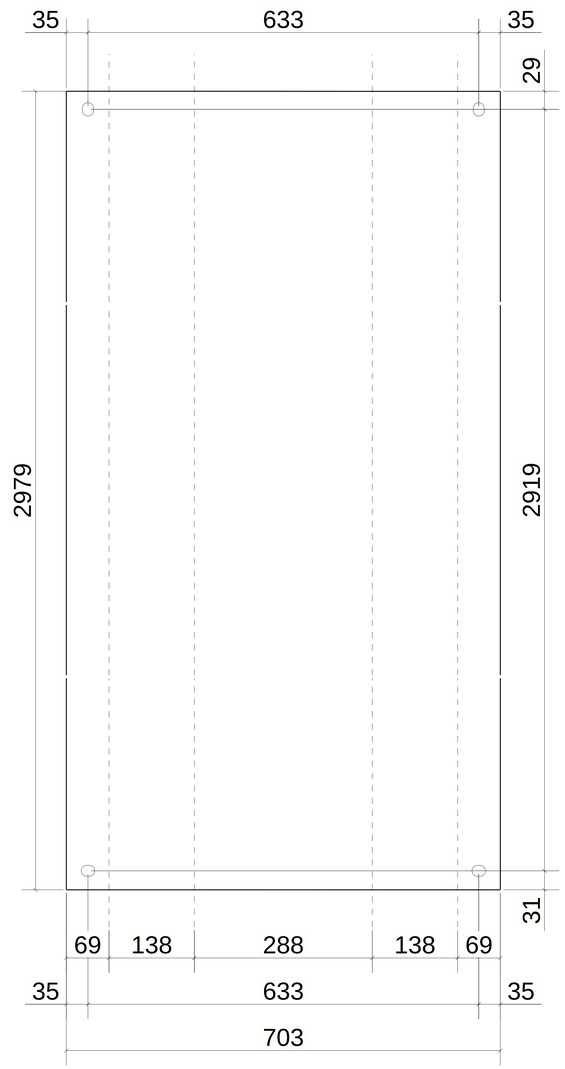
QTY.	Mark
1	01-51B2-S03

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

MATERIAL LIST FOR ASSEMBLY MK'DW103-E2

Mark	Profile	GRADE	No.	Length	Area	Weight
E2	CHQ5*2980.0	S235JR	1	703	4.22	85.90
				Total	4.22	85.90



UNFOLDED VIEW

1 *REQUIRED AS DRAWN MARKED* W103-E2/30x15

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
3	
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority — Hill International Consultant — Main Contractor — Structural Designer

KEY PLAN:

SCALE: AS SHOWN | SHOPDRAWING | DATE: 28.04.2024

REV.	DATE	DSG.	CHK.	APP.	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-103

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93	M047	ACC	60L01	DWG	30117	B

Data Structures

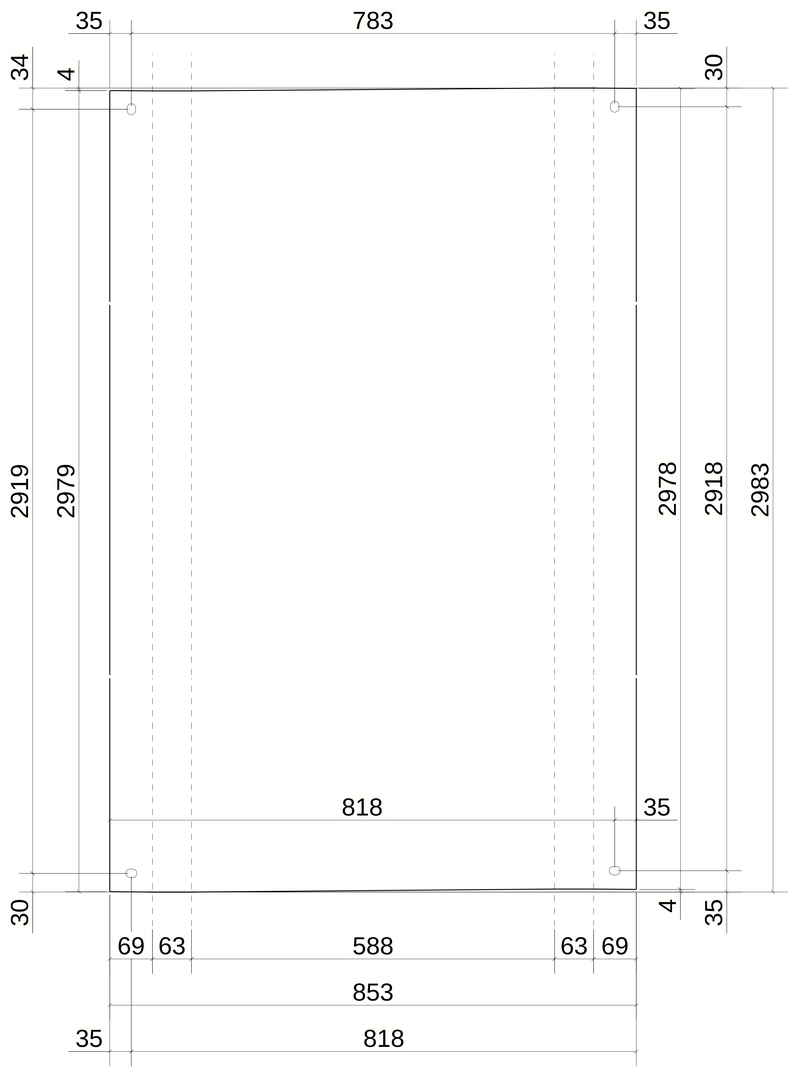
QTY.	Mark
1	01-51B2-S03
1	01-51B2-S05
1	01-51B2-S06
1	01-51B2-S07
1	01-51B2-S09

MATERIAL LIST FOR ASSEMBLY MK'D W104-S1

Mark	Profile	GRADE	No.	Length	Area	Weight
S1	CHQ5*2984.0	S235JR	1	853	5.12	104.31
				Total	5.12	104.31

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing



UNFOLDED VIEW

5 *REQUIRED AS DRAWN MARKED* W104-S1/60x7.5

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Hill International Consultant | Main Contractor | Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-104

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	047	ACC	60L01	DWG	30118	B

Parsons

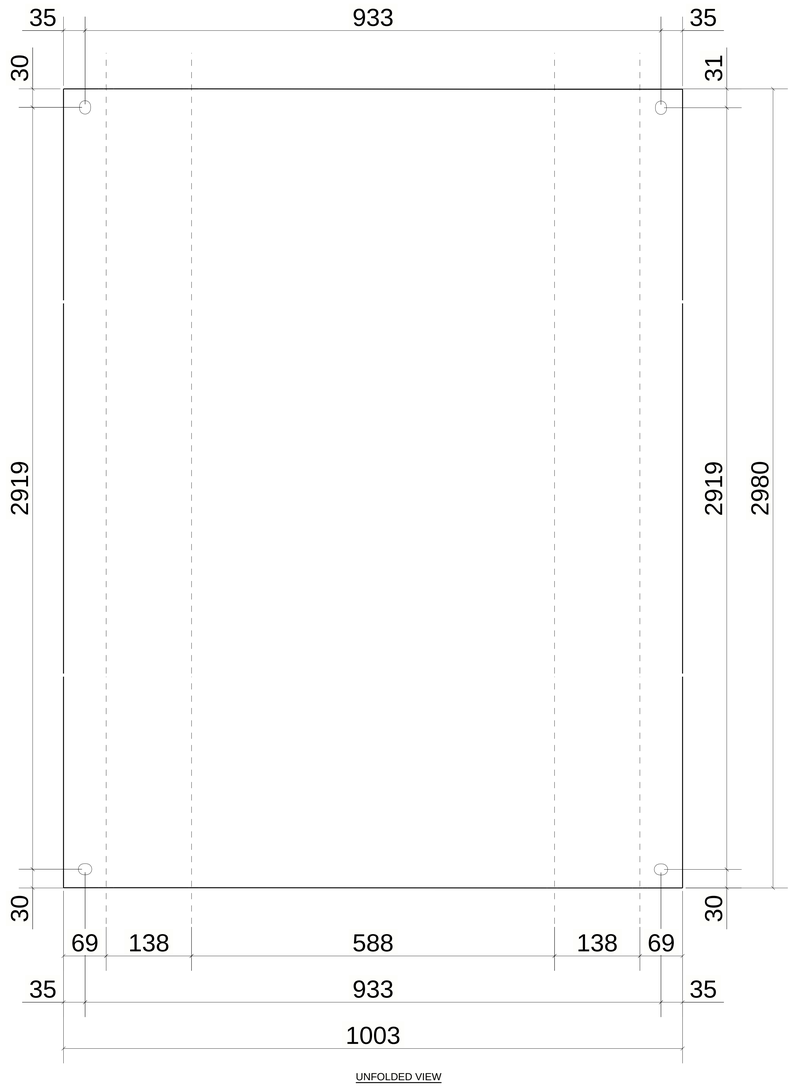
QTY.	Mark
1	01-51B2-S04
1	01-51B2-S05
1	01-51B2-S06
1	01-51B2-S07
1	01-51B2-S08
1	01-51B2-S09

REVIEWED WITH COMMENT MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

MATERIAL LIST FOR ASSEMBLY MK'D W105-E2

Mark	Profile	GRADE	No.	Length	Area	Weight
E2	CHQ5*2980.0	S235JR	1	1003	6.01	122.76
				Total	6.01	122.76



UNFOLDED VIEW

6 *REQUIRED AS DRAWN MARKED* W105-E2/60x15

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Hill International Consultant | ORASCOM BOMBARDIER Main Contractor | INNOVA Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-105

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30119	B

Tekla Structures

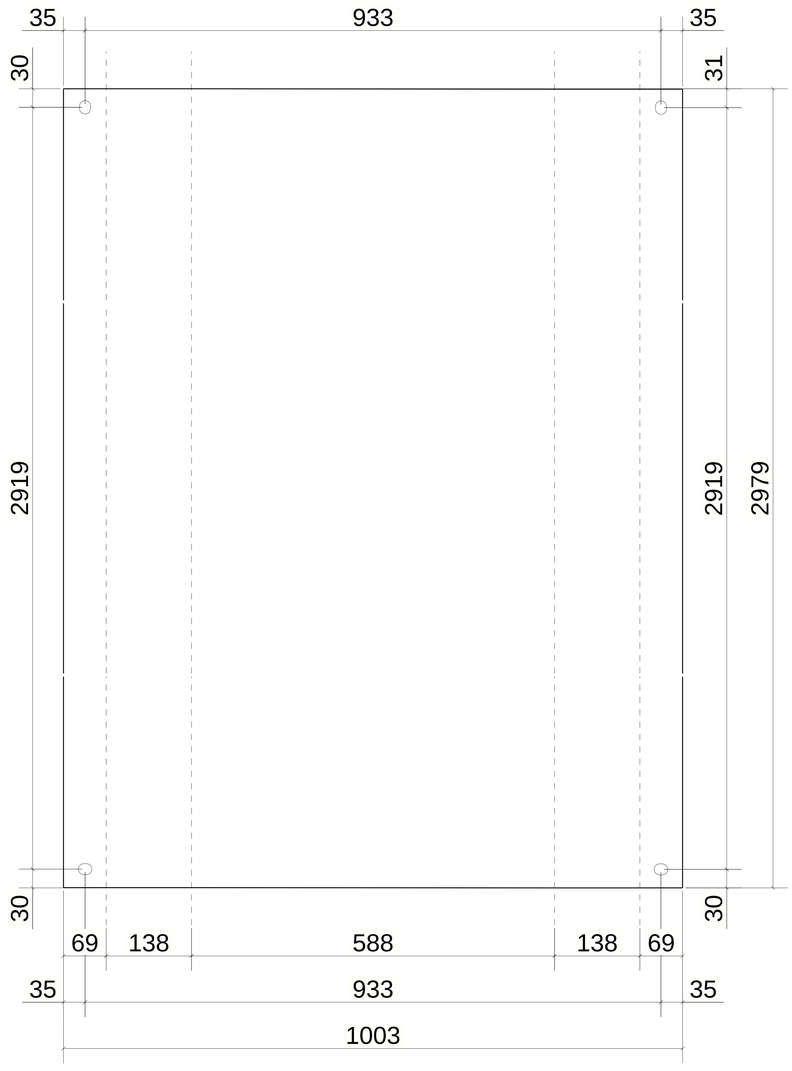
QTY.	Mark
1	01-51B2-S04
1	01-51B2-S05
1	01-51B2-S06
1	01-51B2-S07
1	01-51B2-S08
1	01-51B2-S09

REVIEWED WITH COMMENT MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

MATERIAL LIST FOR ASSEMBLY MK'D W106-E1

Mark	Profile	GRADE	No.	Length	Area	Weight
E1	CHQ5*2980.0	S235JR	1	1003	6.01	122.75
				Total	6.01	122.75



UNFOLDED VIEW

6 *REQUIRED AS DRAWN MARKED* W106-E1/60x15

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Hill International Consultant | ORASCOM BOMBARDIER Main Contractor | INNOVA Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-106

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30120	B

Tekla Structures

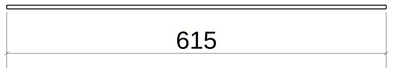
QTY.	Mark
1	01-51B2-S03

MATERIAL LIST FOR ASSEMBLY MK'D W107-E1

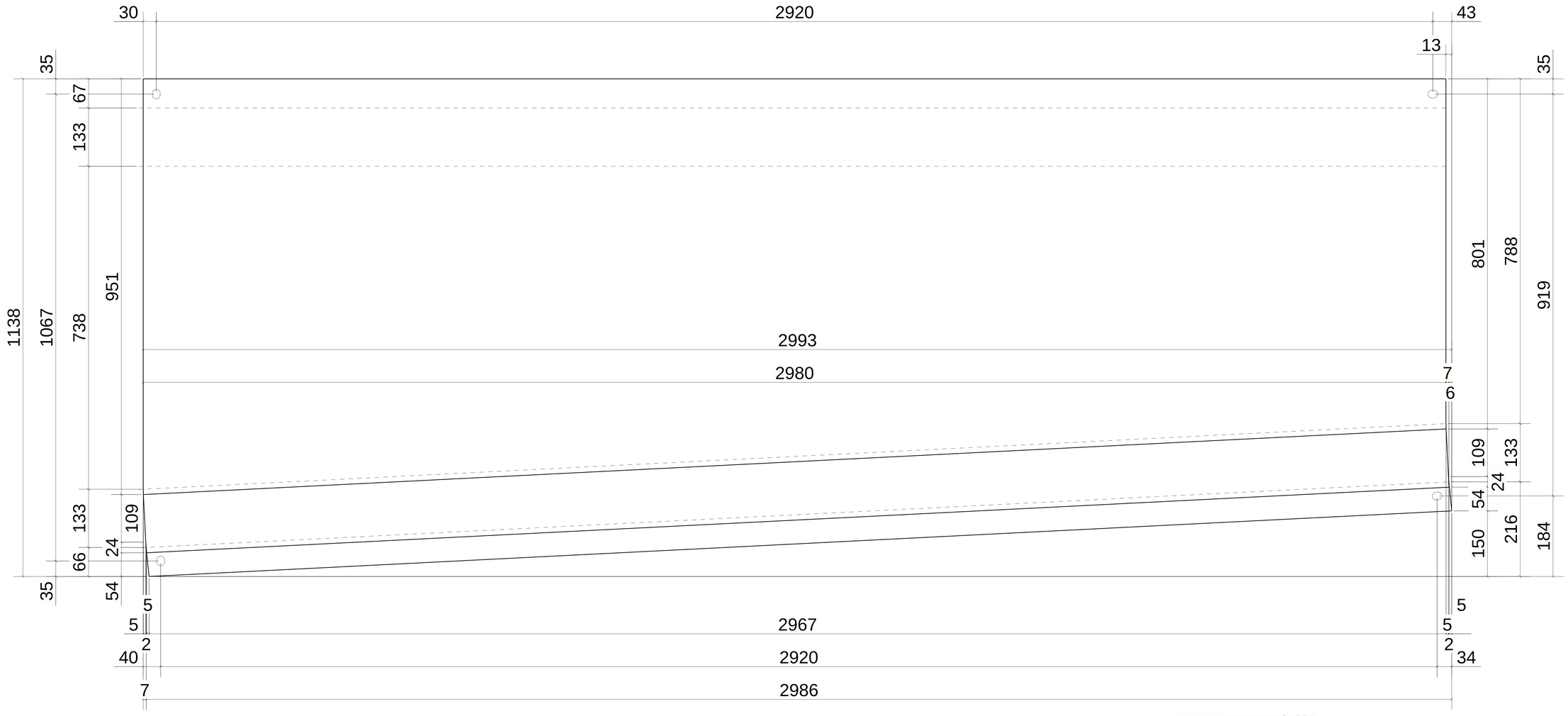
Mark	Profile	GRADE	No.	Length	Area	Weight
E1	CHQ5*1138.0	S235JR	1	2993	6.37	130.20
rb001	ROD6	S235	1	615	0.01	0.12
				Total	6.38	130.32

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing



UNFOLDED VIEW



UNFOLDED VIEW

1 *REQUIRED AS DRAWN MARKED* W107-E1/L75x60/15

6 October: Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority — Consultant — Main Contractor — Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV.	DATE	DSG.	CHK.	APP.	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-107

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93	M047	3ACC	60L01	DWG	301212	B

Trimble Solutions

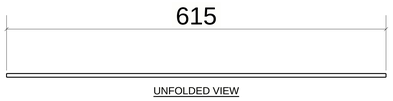
QTY.	Mark
1	01-51B2-S03

MATERIAL LIST FOR ASSEMBLY MK'D W108-E3

Mark	Profile	GRADE	No.	Length	Area	Weight
E3	CHQ5*1138.0	S235JR	1	2993	6.37	130.20
rb001	ROD6	S235	1	615	0.01	0.12
				Total	6.38	130.32

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing



UNFOLDED VIEW

UNFOLDED VIEW

1 *REQUIRED AS DRAWN MARKED* W108-E3/R75x60/15

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
3	
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority — Hill International (Consultant) — Main Contractor — Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-108

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
9 3 M	0 4 7 3	A C C	6 0 L	0 1 D	W G 3 0 1 2 2	B

Delta Structures

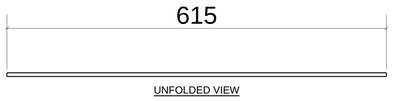
QTY.	Mark
1	01-51B1-S03

REVIEWED WITH COMMENT
MONORAILS PROJECT

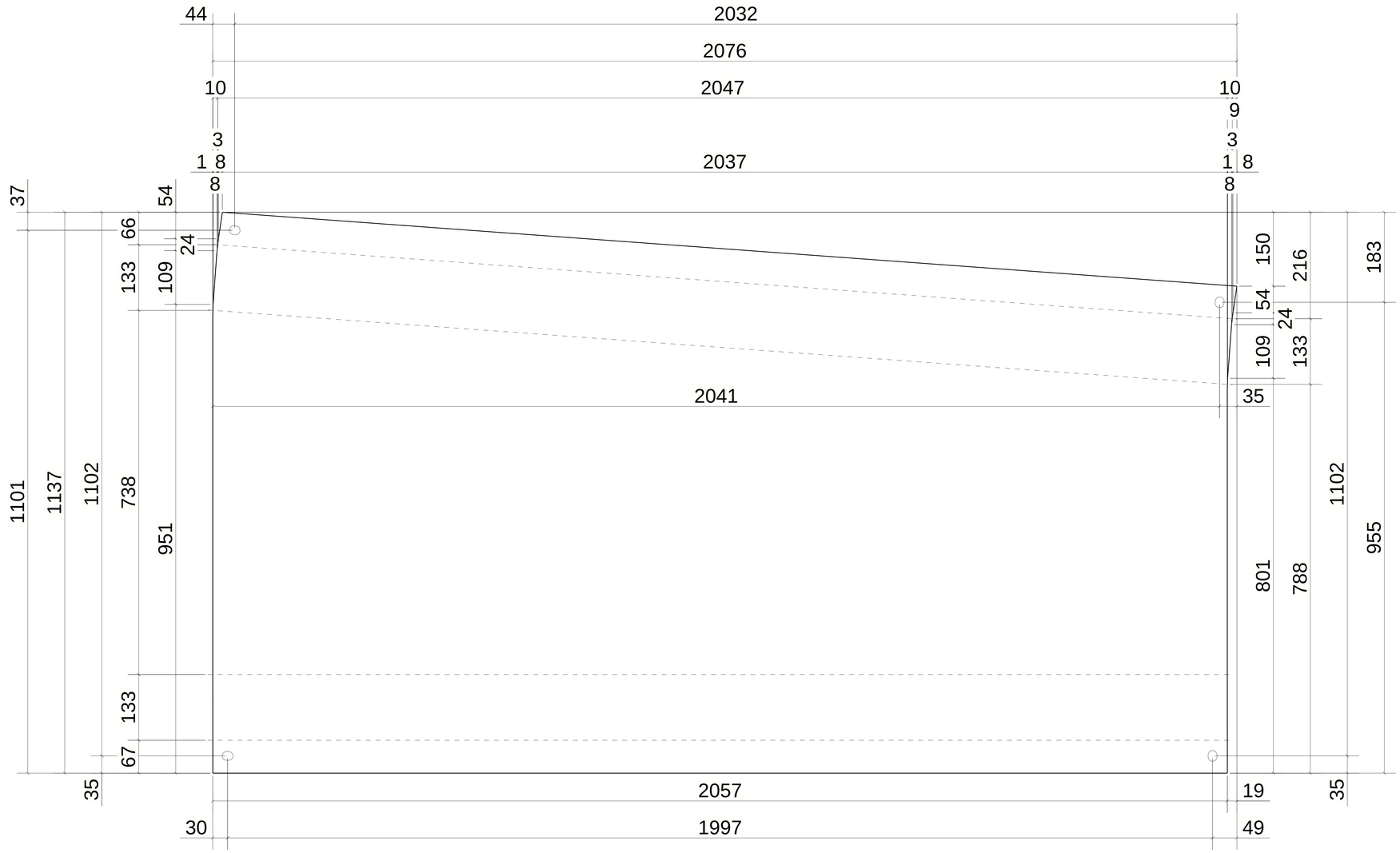
-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

MATERIAL LIST FOR ASSEMBLY MK'DW109-E3

Mark	Profile	GRADE	No.	Length	Area	Weight
E3	CHQ5*1138.0	S235JR	1	2076	4.40	89.87
rb001	ROD6	S235	1	615	0.01	0.12
				Total	4.41	90.00



UNFOLDED VIEW



UNFOLDED VIEW

1 *REQUIRED AS DRAWN MARKED* W109-E3/R75x60/15

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Consultant: Hill International | Main Contractor: ORASCOM CONSTRUCTION, BOMBARDIER | Structural Designer: INNOVA TRANSPORTATION

KEY PLAN:

SCALE: AS SHOWN | SHOPDRAWING | DATE: 28.04.2024

REV.	DATE	DSG.	CHK.	APP.	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-109

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93	M047	3ACC	60L01	DWG	30123	B

Hill International

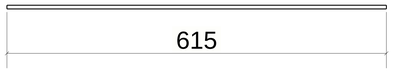
QTY.	Mark
1	01-51B1-S03

REVIEWED WITH COMMENT MONORAILS PROJECT

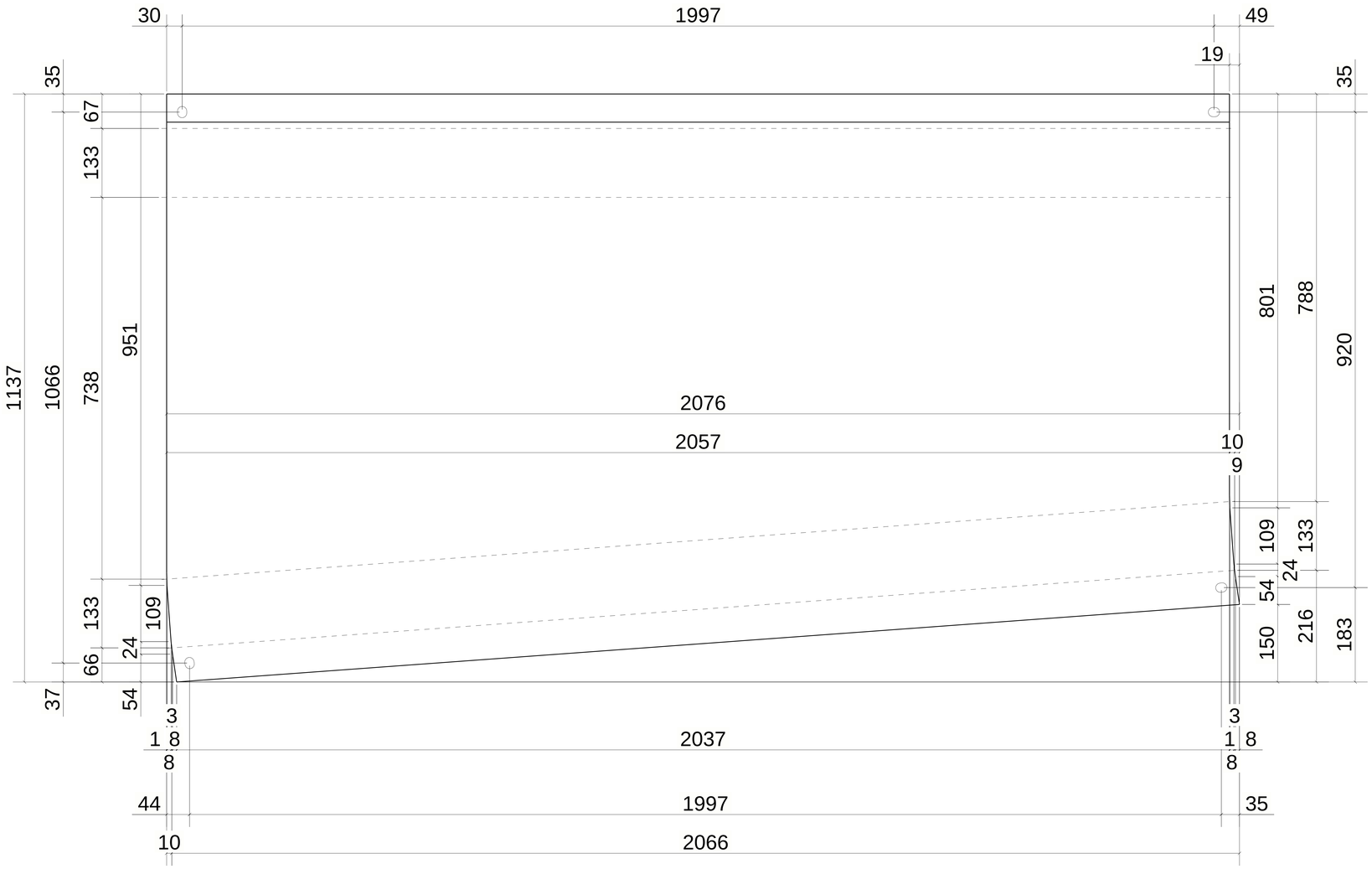
-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

MATERIAL LIST FOR ASSEMBLY MK'DW110-E1

Mark	Profile	GRADE	No.	Length	Area	Weight
E1	CHQ5*1138.0	S235JR	1	2076	4.40	89.88
rb001	ROD6	S235	1	615	0.01	0.12
				Total	4.41	90.00



UNFOLDED VIEW



UNFOLDED VIEW

1 *REQUIRED AS DRAWN MARKED* W110-E1/L75x60/15

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority — Hill International Consultant — ORASCOM BOMBARDIER Main Contractor — INNOVA TRANSPORTATION Structural Designer

KEY PLAN:

SCALE: AS SHOWN | SHOPDRAWING | DATE: 28/04/2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-110

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93	M047	3	ACC60	L01	DWG3012	4 B

Tekla Structures

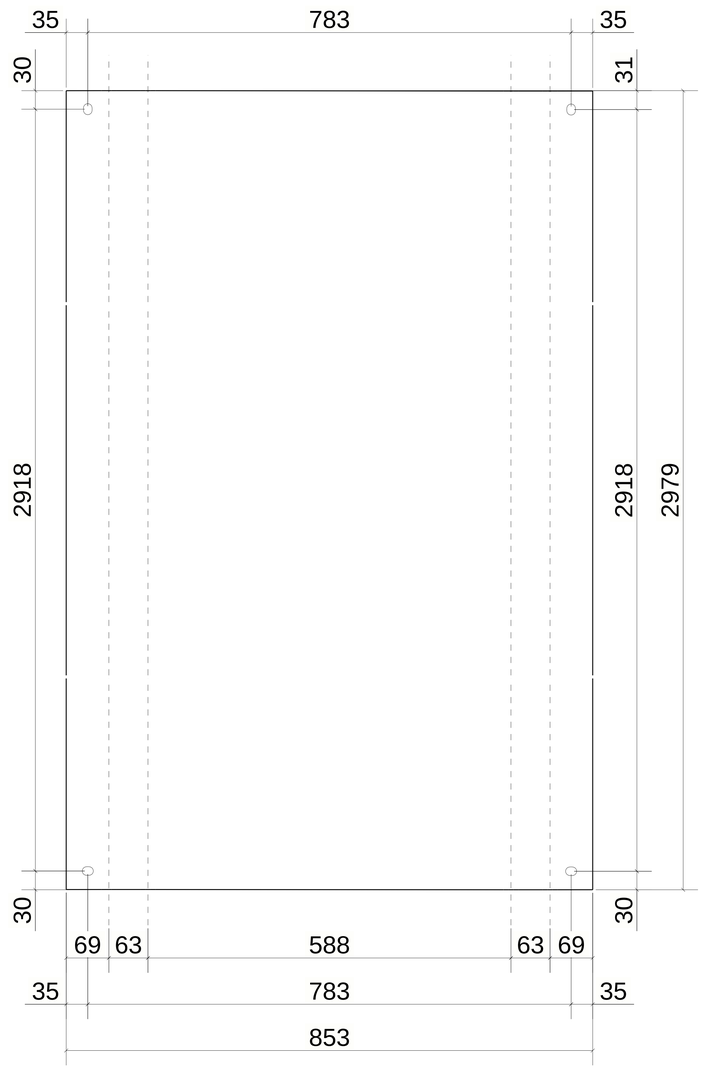
QTY.	Mark
1	01-51B2-S04
1	01-51B2-S08

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

MATERIAL LIST FOR ASSEMBLY MK'D W111-S1

Mark	Profile	GRADE	No.	Length	Area	Weight
S1	CHQ5*2978.0	S235JR	1	853	5.12	104.30
				Total	5.12	104.30



UNFOLDED VIEW

2 *REQUIRED AS DRAWN MARKED* W111-S1/60x7.5

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
3	
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority — Hill International Consultant — Main Contractor — Structural Designer

KEY PLAN:

SCALE: AS SHOWN | SHOPDRAWING | DATE: 28.04.2024

REV.	DATE	DSG.	CHK.	APP.	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-111

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	047	ACC	60L01	DWG	30125	B

Data Structures

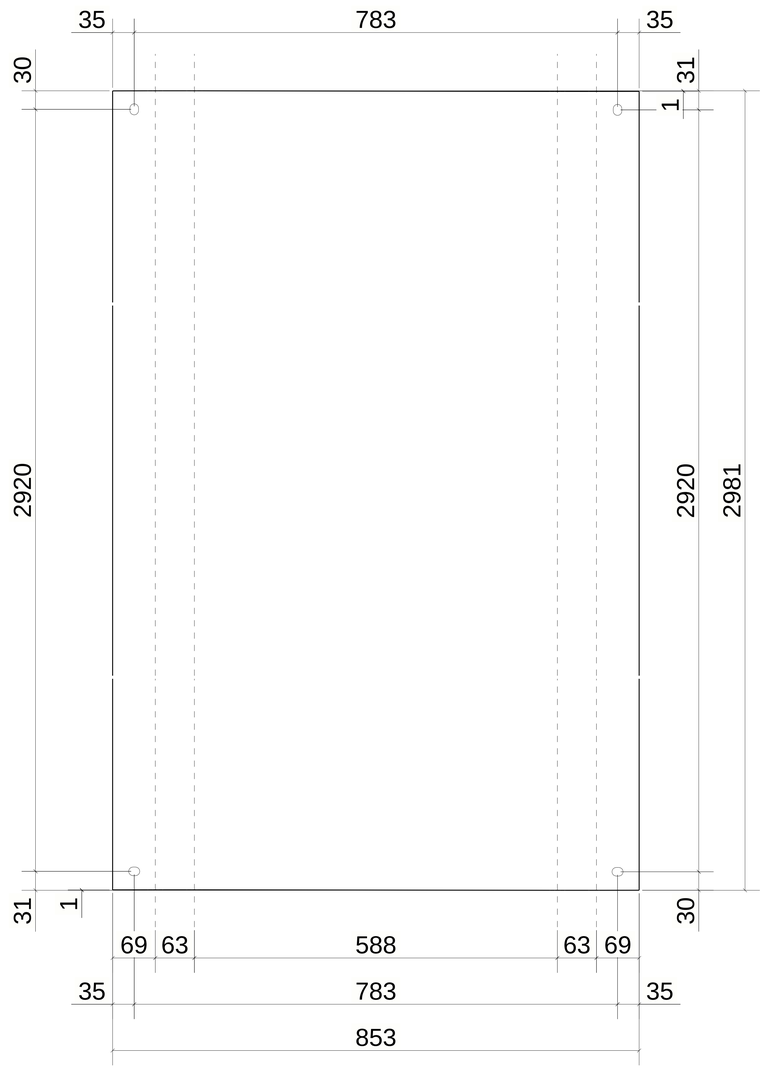
QTY.	Mark
1	01-51B2-S08

MATERIAL LIST FOR ASSEMBLY MK'D W112-S2

Mark	Profile	GRADE	No.	Length	Area	Weight
S2	CHQ5*2980.0	S235JR	1	853	5.12	104.35
				Total	5.12	104.35

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing



UNFOLDED VIEW

1 *REQUIRED AS DRAWN MARKED* W112-S2/60x7.5

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority — Hill International Consultant — Main Contractor — Structural Designer

KEY PLAN:

SCALE: AS SHOWN | SHOPDRAWING | DATE: 28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-112

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93	M047	3ACC	60L01	DWG	30126	B

Data Structures

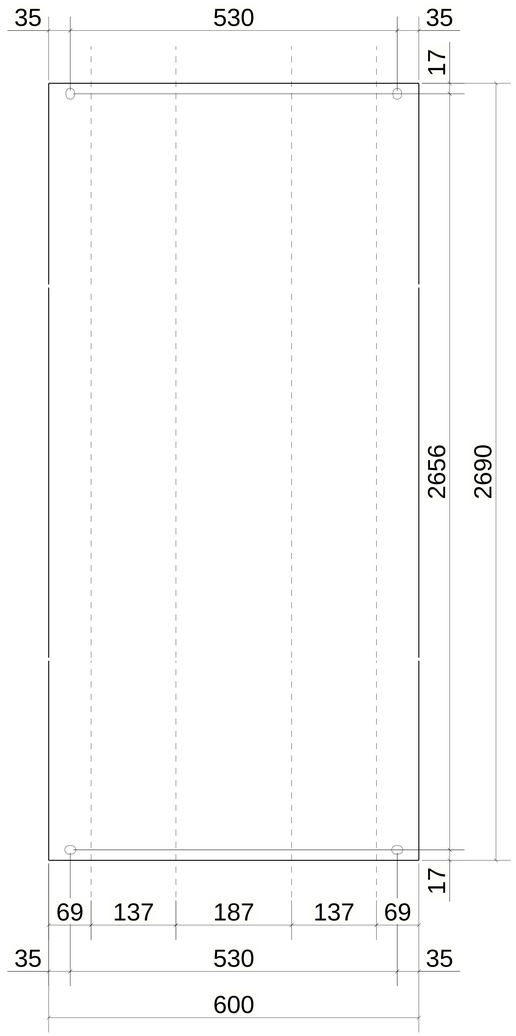
QTY.	Mark
1	01-03B2L-E1
1	01-03B2R-E1
1	01-03B3R-E1
1	01-51B2L-E1
1	01-51B2R-E1

REVIEWED WITH COMMENT MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

MATERIAL LIST FOR ASSEMBLY MK'D W115-ST

Mark	Profile	GRADE	No.	Length	Area	Weight
ST	CHQ5*2690.0	S235JR	1	600	3.25	66.02
				Total	3.25	66.02



UNFOLDED VIEW

5 *REQUIRED AS DRAWN MARKED* W115-ST/20x15

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Hill International Consultant | ORASCOM BOMBARDIER Main Contractor | INNOVA Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-115

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30127	B

Tekla Structures

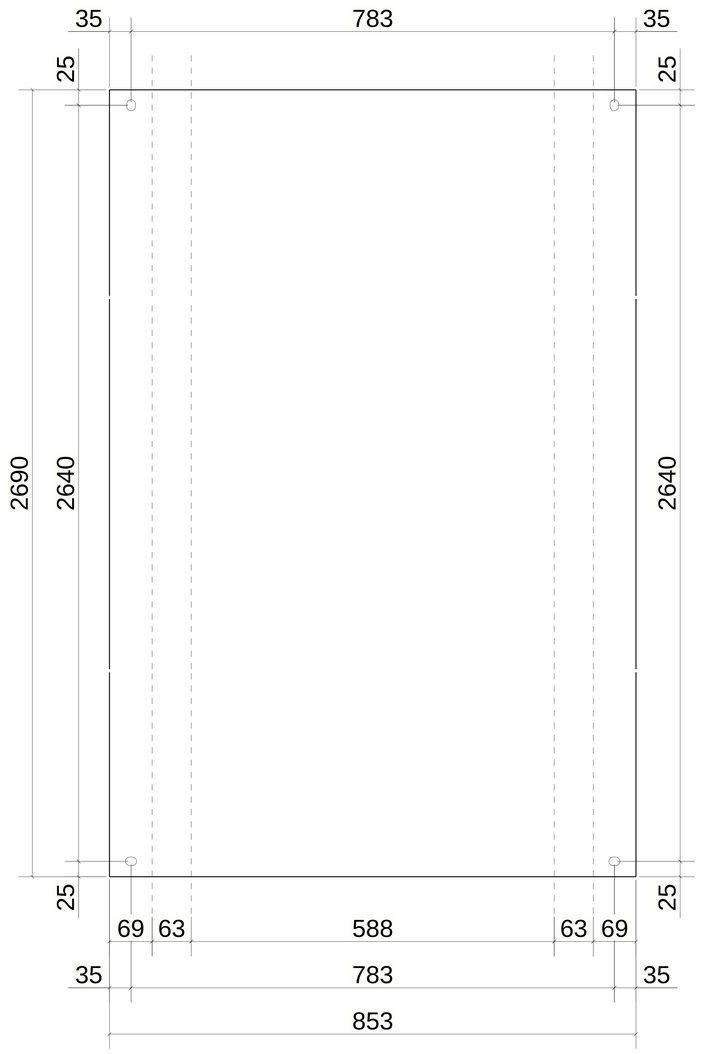
QTY.	Mark
1	01-03B2L-E1
1	01-03B2R-E1
1	01-03B3R-E1
1	01-51B2L-E1
1	01-51B2R-E1

MATERIAL LIST FOR ASSEMBLY MK'D W116-S1

Mark	Profile	GRADE	No.	Length	Area	Weight
S1	CHQ5*2690.0	S235JR	1	853	4.62	94.21
				Total	4.62	94.21

REVIEWED WITH COMMENT MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing



UNFOLDED VIEW

5 *REQUIRED AS DRAWN MARKED* W116-S1/60x7.5

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Hill International Consultant | ORASCOM BOMBARDIER Main Contractor | INNOVA Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-116

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30128	B

Tekla Structures

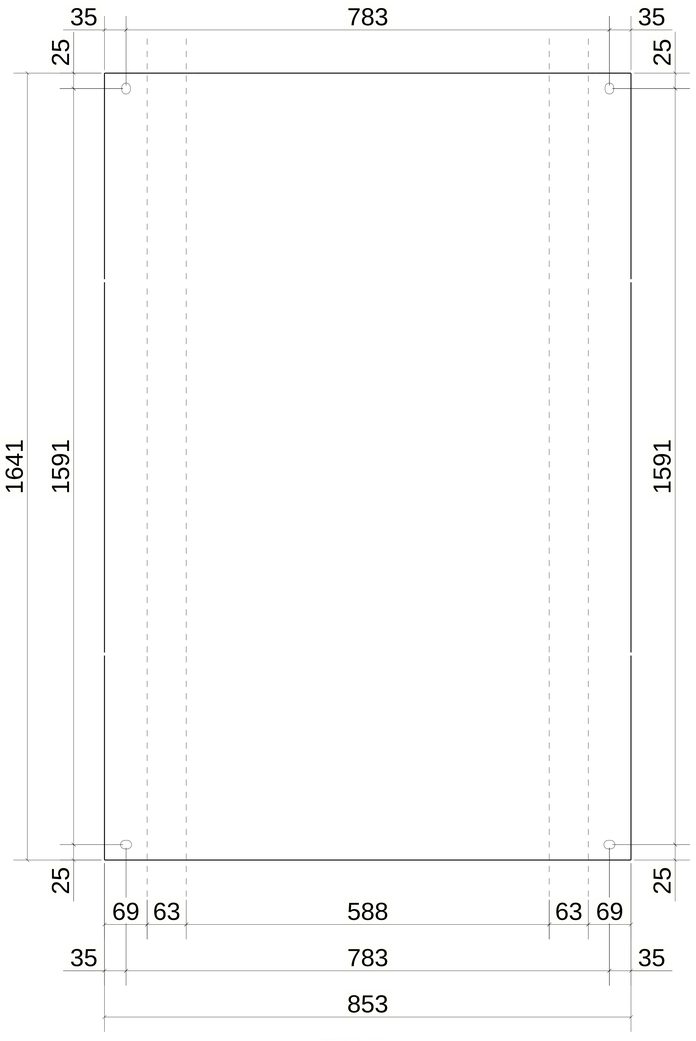
QTY.	Mark
1	01-03B2L-E2
1	01-03B2L-E11
1	01-03B2R-E2
1	01-03B2R-E11
1	01-03B3R-E2

MATERIAL LIST FOR ASSEMBLY MK'D W117-S1

Mark	Profile	GRADE	No.	Length	Area	Weight
S1	CHQ5*1642.0	S235JR	1	853	2.82	57.47
				Total	2.82	57.47

REVIEWED WITH COMMENT MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing



UNFOLDED VIEW

5 *REQUIRED AS DRAWN MARKED* W117-S1/60x7.5

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Hill International Consultant | ORASCOM BOMBARDIER Main Contractor | INNOVA TRANSPORTATION Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-117

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30129	B

Tekla Structures

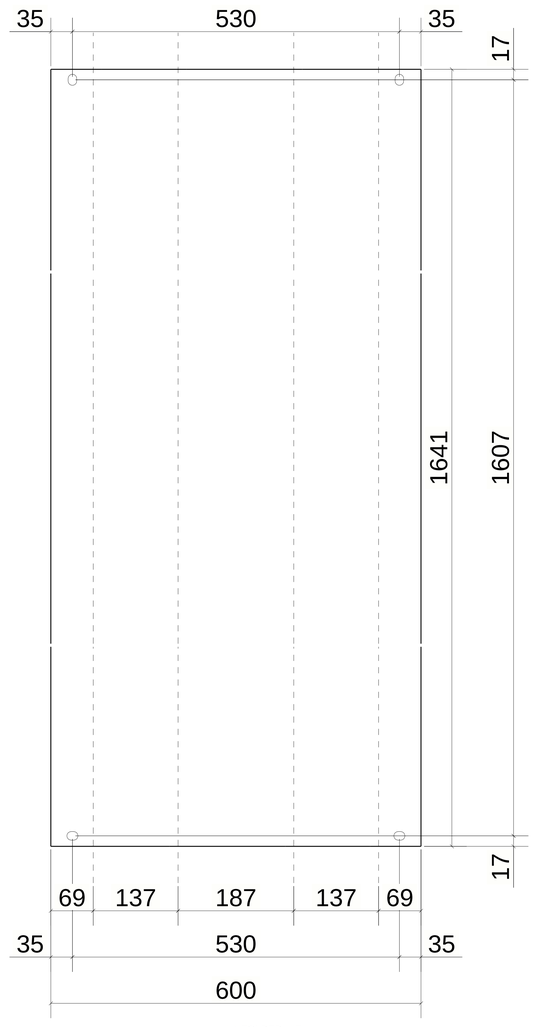
QTY.	Mark
1	01-03B2L-E2
1	01-03B2R-E2
1	01-03B2R-E11
1	01-03B3R-E2

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

MATERIAL LIST FOR ASSEMBLY MK'D W118-ST

Mark	Profile	GRADE	No.	Length	Area	Weight
ST	CHQ5*1642.0	S235JR	1	600	1.99	40.28
				Total	1.99	40.28



UNFOLDED VIEW

4 *REQUIRED AS DRAWN MARKED* W118-ST/20x15

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Consultant: Hill International | Main Contractor: ORASCOM CONSTRUCTION, BOMBARDIER | Structural Designer: INNOVA TRANSPORTATION

KEY PLAN:

SCALE: AS SHOWN | SHOPDRAWING | DATE: 28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-118

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30130	B

Trakk Solutions

QTY.	Mark
1	01-03B2L-E3
1	01-03B2L-E4
1	01-03B2L-E5
1	01-03B2L-E6
1	01-03B2L-E7
1	01-03B2L-E8
1	01-03B2R-E3
1	01-03B2R-E4
1	01-03B2R-E5
1	01-03B2R-E6
1	01-03B2R-E7
1	01-03B2R-E8
1	01-03B2R-E9
1	01-03B2R-E10
1	01-03B3L-E6
1	01-03B3R-E3
1	01-03B3R-E4
1	01-03B3R-E5
1	01-03B3R-E6
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1	01-51B2L-E3
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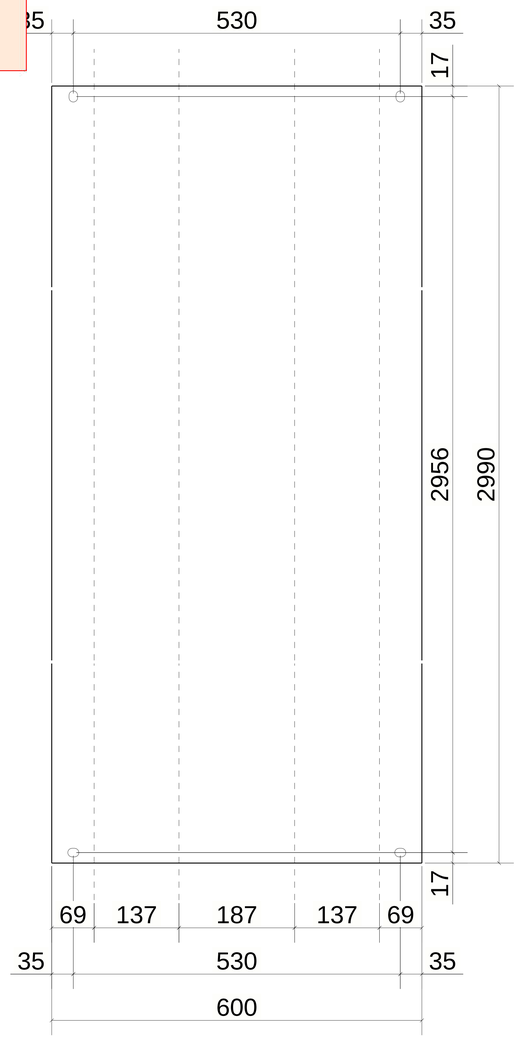
1	01-51B2L-E6
1	01-51B2R-E3
1	01-51B2R-E4
1	01-51B2R-E5
1	01-51B2R-E6

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing



UNFOLDED VIEW

MATERIAL LIST FOR ASSEMBLY MK'D W119-ST

Mark	Profile	GRADE	No.	Length	Area	Weight
ST	CHQ5*2990.0	S235JR	1	600	3.62	73.39
				Total	3.62	73.39

31 *REQUIRED AS DRAWN MARKED* W119-ST/20x15

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Consultant: Hill International | Main Contractor: ORASCOM CONSTRUCTION / BOMBARDIER | Structural Designer: INNOVA TRANSPORTATION

KEY PLAN:

6 October Monorail
Engineering Unit
Valid For Construction

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

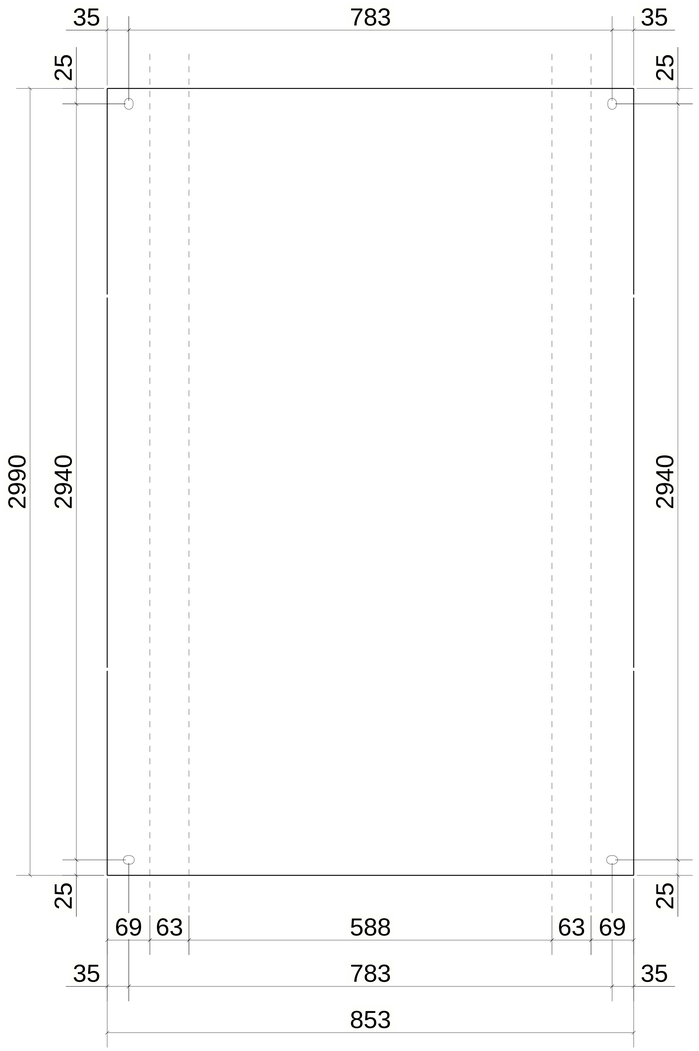
REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-119

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93	M047	3ACC	60L01	DWG	3013	1 B

Tekla Structures

QTY.	Mark
1	01-03B2L-E3
1	01-03B2L-E4
1	01-03B2L-E5
1	01-03B2L-E6
1	01-03B2L-E7
1	01-03B2L-E8
1	01-03B2L-E9
1	01-03B2L-E10
1	01-03B2R-E3
1	01-03B2R-E4
1	01-03B2R-E5
1	01-03B2R-E6
1	01-03B2R-E7
1	01-03B2R-E8
1	01-03B2R-E9
1	01-03B2R-E10
1	01-03B3L-E3
1	01-03B3L-E4
1	01-03B3L-E5
1	01-03B3L-E6
1	01-03B3R-E3
1	01-03B3R-E4
1	01-03B3R-E5
1	01-03B3R-E6
1	01-51B1L-E2
1	01-51B1L-E3
1	01-51B1L-E4
1	01-51B1L-E5
1	01-51B2L-E3
1	01-51B2L-E4
1	01-51B2L-E5
1	01-51B2L-E6
1	01-51B2L-E7
1	01-51B2L-E8
1	01-51B2L-E9
1	01-51B2R-E3
1	01-51B2R-E4
1	01-51B2R-E5
1	01-51B2R-E6



UNFOLDED VIEW

MATERIAL LIST FOR ASSEMBLY MK'D W120-S1

Mark	Profile	GRADE	No.	Length	Area	Weight
S1	CHQ5*2990.0	S235JR	1	853	5.14	104.71
				Total	5.14	104.71

REVIEWED WITH COMMENT MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

39 *REQUIRED AS DRAWN MARKED* W120-S1/60x7.5

6 October Monorail Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
3	
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Hill International Consultant | ORASCOM BOMBARDIER Main Contractor | INNOVA Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-120

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30132	B

Tekla Structures

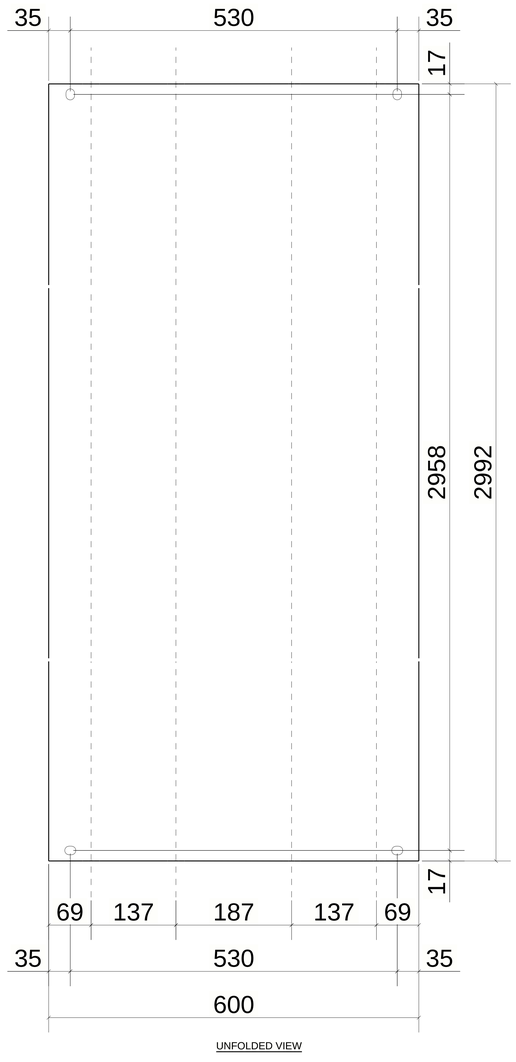
QTY.	Mark
1	01-03B2L-E9
1	01-03B2L-E10
1	01-03B3L-E3
1	01-03B3L-E4
1	01-03B3L-E5

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

MATERIAL LIST FOR ASSEMBLY MK'DW121-ST

Mark	Profile	GRADE	No.	Length	Area	Weight
ST	CHQ5*2992.0	S235JR	1	600	3.62	73.44
				Total	3.62	73.44



UNFOLDED VIEW

5 *REQUIRED AS DRAWN MARKED* W121-ST/20x15

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
3	
4	
5	
6	
7	
8	
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Consultant: Hill International | Main Contractor: ORASCOM CONSTRUCTION / BOMBARDIER | Structural Designer: INNOVA TRANSPORTATION

KEY PLAN:

REV.	DATE	DSG.	CHK.	APP.	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-121

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	047	3ACC	60L01	DWG	30133	B

Trade Secrets

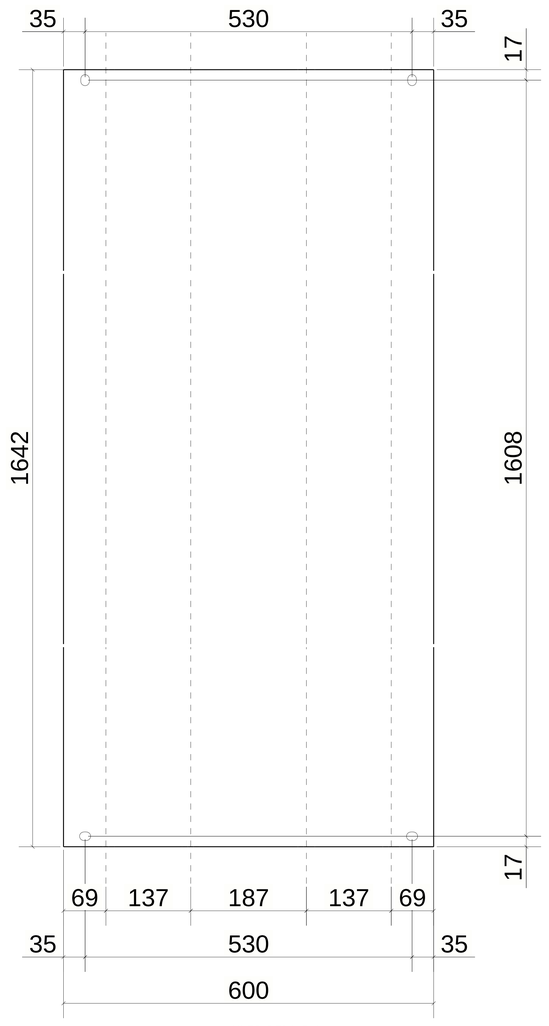
QTY.	Mark
1	01-03B2L-E11

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

MATERIAL LIST FOR ASSEMBLY MK'DW122-ST

Mark	Profile	GRADE	No.	Length	Area	Weight
ST	CHQ5*1642.0	S235JR	1	600	1.99	40.31
				Total	1.99	40.31



UNFOLDED VIEW

1 *REQUIRED AS DRAWN MARKED* W122-ST/20x15

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
3	
4	
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Consultant: Hill International | Main Contractor: ORASCOM CONSTRUCTION, BOMBARDIER | Structural Designer: INNOVA TRANSPORTATION

KEY PLAN:

SCALE: AS SHOWN | SHOPDRAWING | DATE: 28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-122

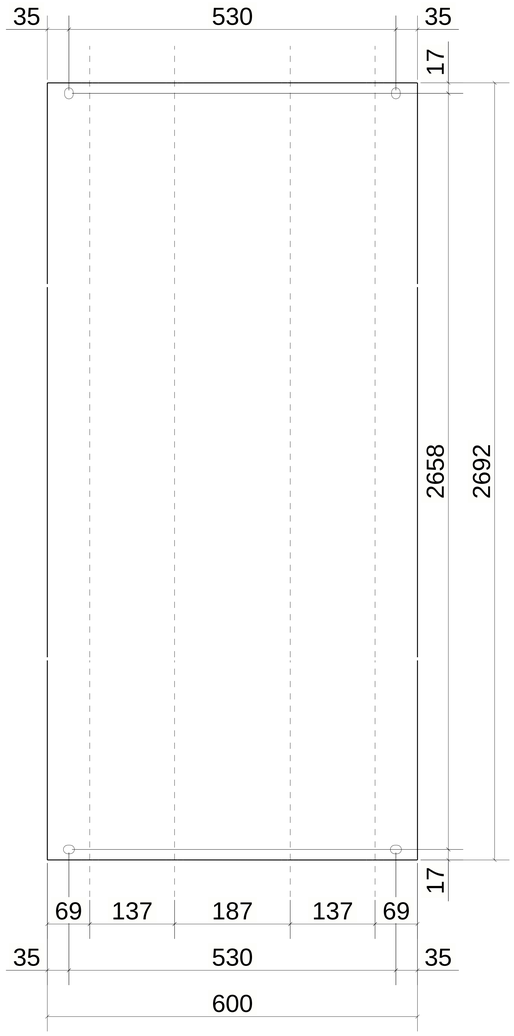
Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30134	B

Walkway Structures

QTY.	Mark
1	01-03B3L-E1

MATERIAL LIST FOR ASSEMBLY MK'D W123-ST

Mark	Profile	GRADE	No.	Length	Area	Weight
ST	CHQ5*2692.0	S235JR	1	600	3.26	66.08
				Total	3.26	66.08



UNFOLDED VIEW

REVIEWED WITH COMMENT MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

1 *REQUIRED AS DRAWN MARKED* W123-ST/20x15

6 October Monorail Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
3	
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Hill International Consultant | ORASCOM BOMBARDIER Main Contractor | INNOVA TRANSPORTATION Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-123

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30135	B

Tekla Structures

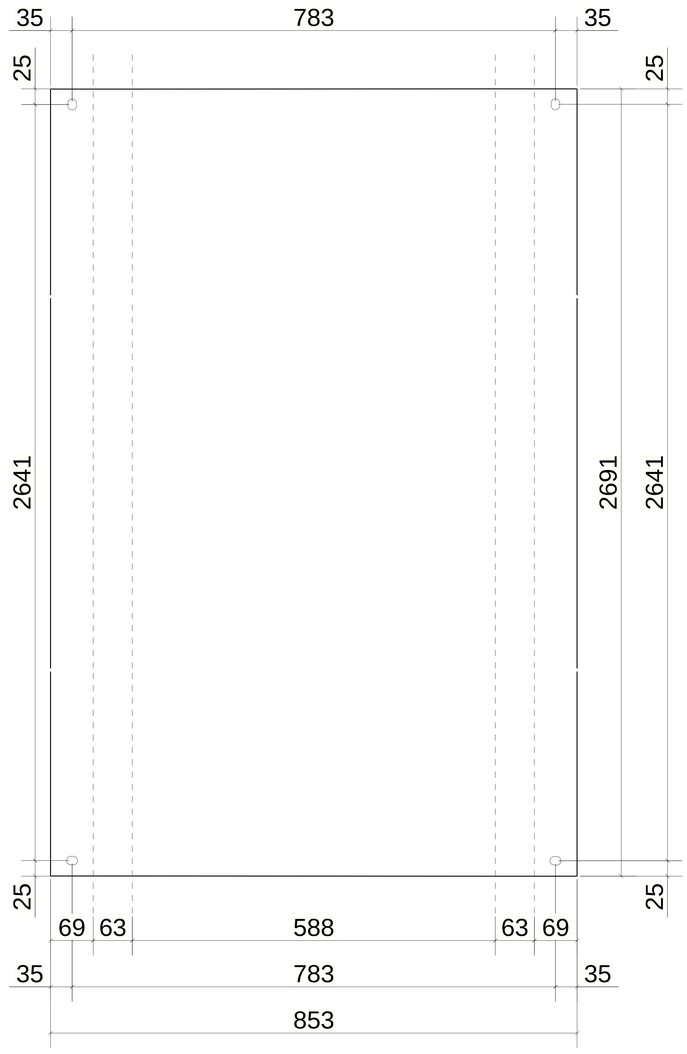
QTY.	Mark
1	01-03B3L-E1

REVIEWED WITH COMMENT MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

MATERIAL LIST FOR ASSEMBLY MK'D W124-S1

Mark	Profile	GRADE	No.	Length	Area	Weight
S1	CHQ5*2692.0	S235JR	1	853	4.62	94.24
				Total	4.62	94.24



UNFOLDED VIEW

1 *REQUIRED AS DRAWN MARKED* W124-S1/60x7.5

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
3	
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Hill International Consultant | ORASCOM BOMBARDIER Main Contractor | INNOVA TRANSPORTATION Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-124

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30136	B

Tekla Structures

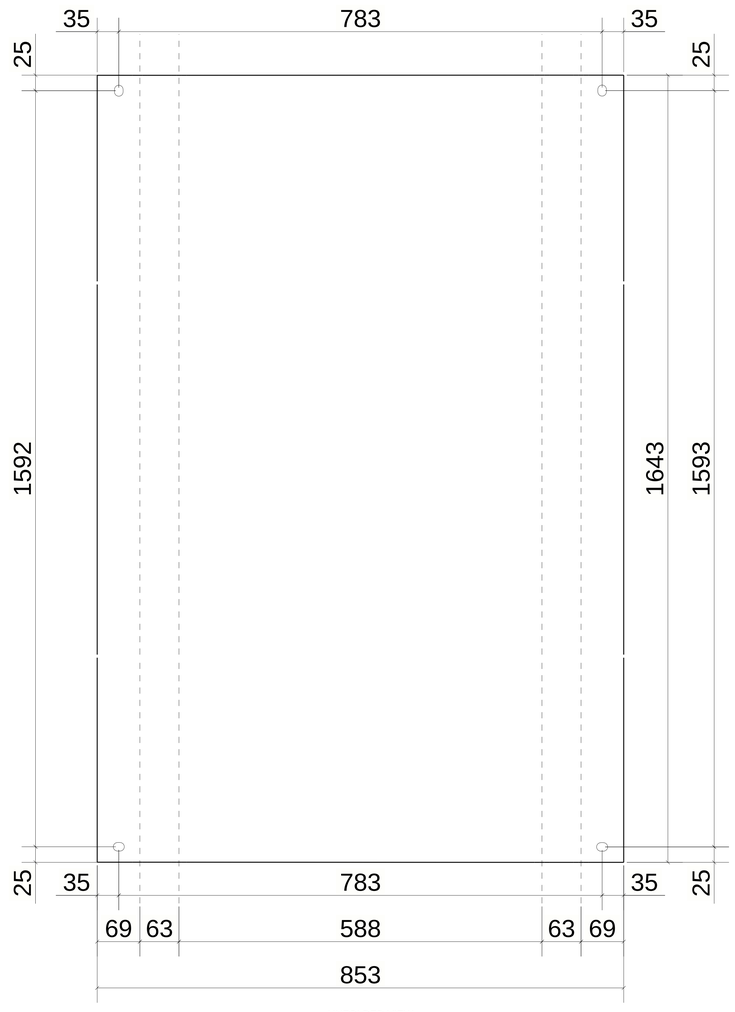
QTY.	Mark
1	01-03B3L-E2

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

MATERIAL LIST FOR ASSEMBLY MK'DW125-S1

Mark	Profile	GRADE	No.	Length	Area	Weight
S1	CHQ5*1642.0	S235JR	1	853	2.82	57.53
				Total	2.82	57.53



UNFOLDED VIEW

1 *REQUIRED AS DRAWN MARKED* W125-S1/60x7.5

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
3	
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority — Hill International Consultant — Main Contractor — Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-125

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30137	B

Tekla Structures

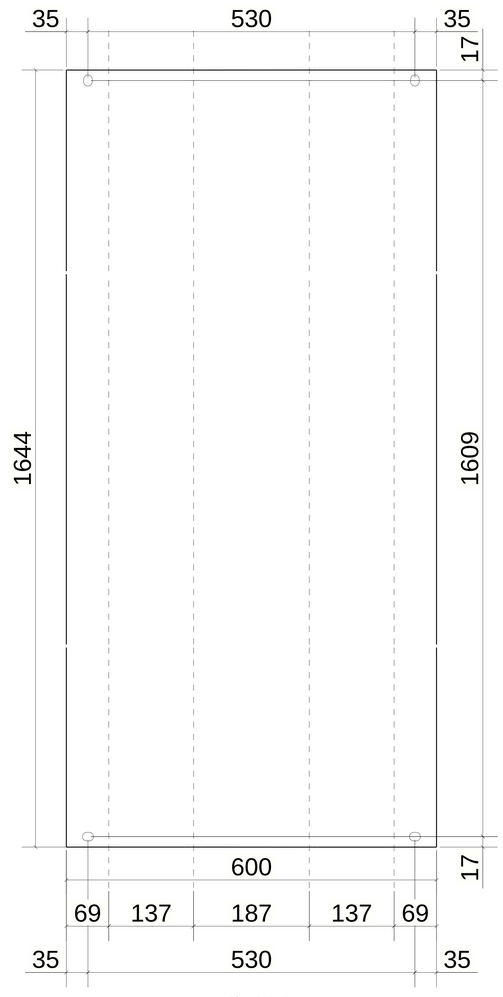
QTY.	Mark
1	01-03B3L-E2

MATERIAL LIST FOR ASSEMBLY MK'D W126-ST

Mark	Profile	GRADE	No.	Length	Area	Weight
ST	CHQ5*1644.0	S235JR	1	600	1.99	40.34
				Total	1.99	40.34

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing



UNFOLDED VIEW

1 *REQUIRED AS DRAWN MARKED* W126-ST/20x15

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Hill International Consultant | ORASCOM / BOMBARDIER Main Contractor | INNOVA TRANSPORTATION Structural Designer

KEY PLAN:

SCALE: AS SHOWN | SHOPDRAWING | DATE: 28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-126

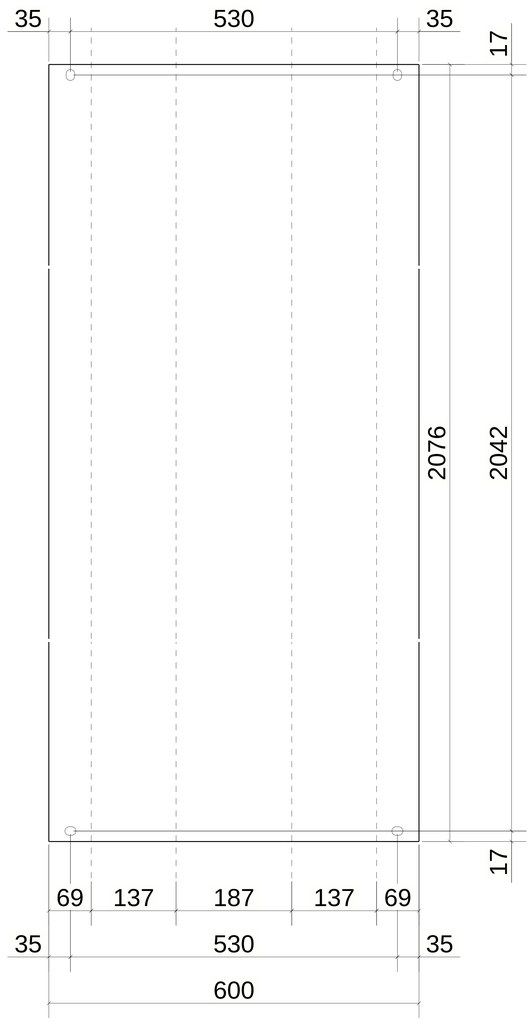
Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30138	B

Tekla Structures

QTY.	Mark
1	01-51B1L-E6

MATERIAL LIST FOR ASSEMBLY MK'D W127-ST

Mark	Profile	GRADE	No.	Length	Area	Weight
ST	CHQ5*2076.0	S235JR	1	600	2.51	50.95
				Total	2.51	50.95



UNFOLDED VIEW

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

1 *REQUIRED AS DRAWN MARKED* W127-ST/20x15

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Consultant: Hill International | Main Contractor: ORASCOM CONSTRUCTION / BOMBARDIER | Structural Designer: INNOVA TRANSPORTATION

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-127

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30139	B

Track Structures

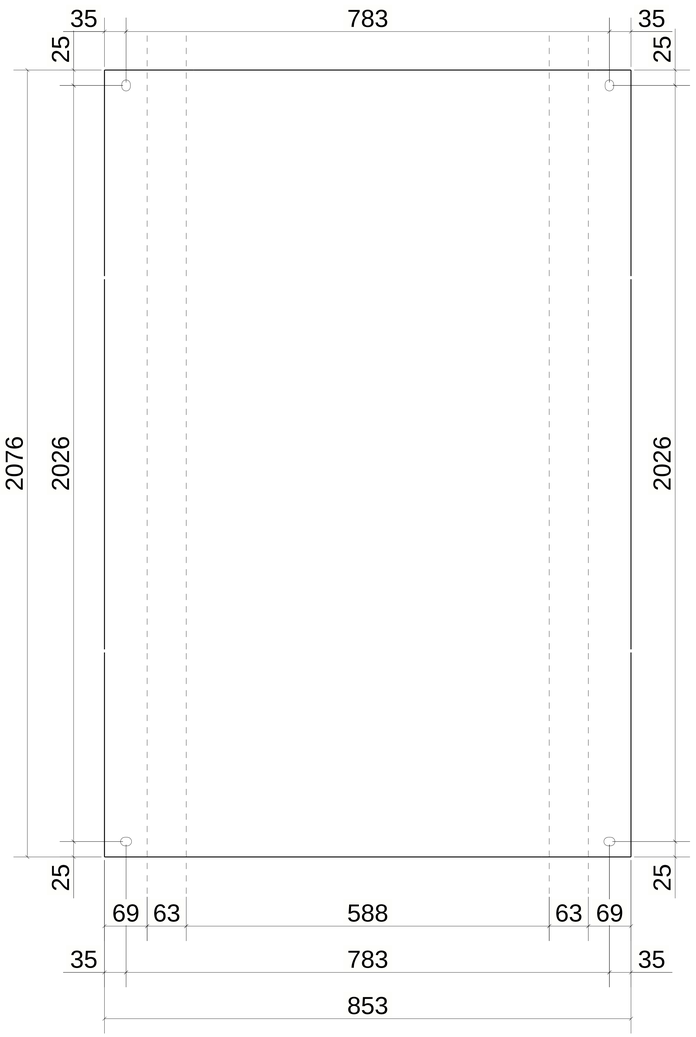
QTY.	Mark
1	01-51B1L-E6

REVIEWED WITH COMMENT MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

MATERIAL LIST FOR ASSEMBLY MK'D W128-S1

Mark	Profile	GRADE	No.	Length	Area	Weight
S1	CHQ5*2076.0	S235JR	1	853	3.57	72.69
				Total	3.57	72.69



UNFOLDED VIEW

1 *REQUIRED AS DRAWN MARKED* W128-S1/60x7.5

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Hill International Consultant | ORASCOM BOMBARDIER Main Contractor | INNOVA TRANSPORTATION Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-128

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30140	B

Tekla Structures

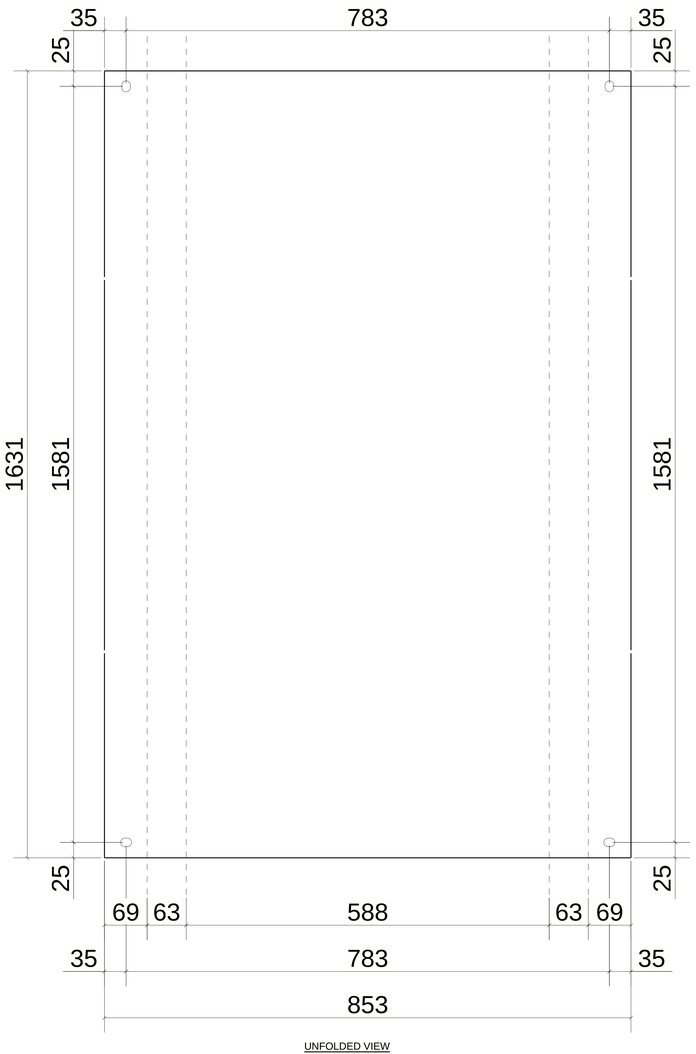
QTY.	Mark
1	01-51B2L-E2

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

MATERIAL LIST FOR ASSEMBLY MK'DW129-S1

Mark	Profile	GRADE	No.	Length	Area	Weight
S1	CHQ5*1632.0	S235JR	1	853	2.81	57.14
				Total	2.81	57.14



UNFOLDED VIEW

1 *REQUIRED AS DRAWN MARKED* W129-S1/60x7.5

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority — Hill International Consultant — Main Contractor — Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV.	DATE	DSG.	CHK.	APP.	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-129

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30141	B

Data Structures

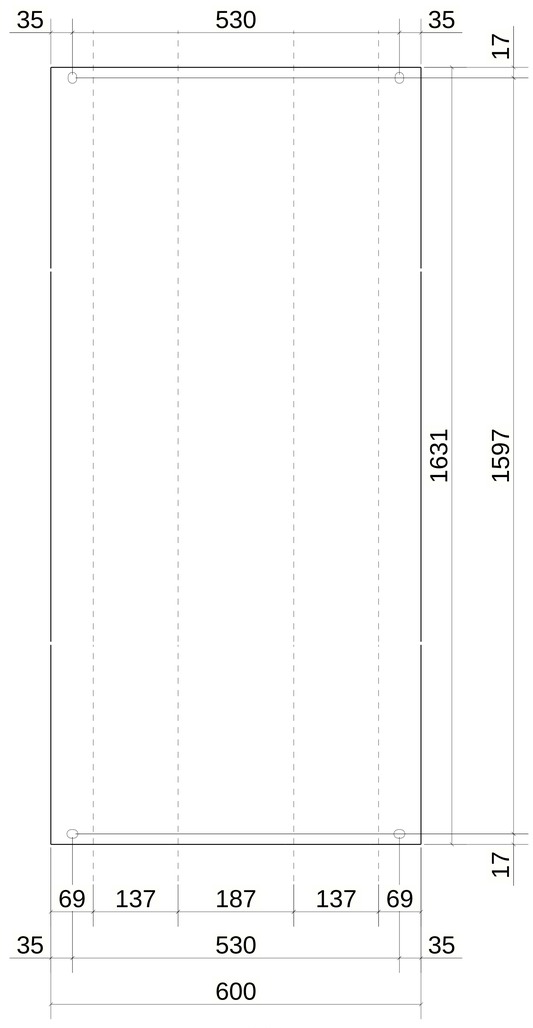
QTY.	Mark
1	01-51B2L-E2

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

MATERIAL LIST FOR ASSEMBLY MK'D W130-ST

Mark	Profile	GRADE	No.	Length	Area	Weight
ST	CHQ5*1632.0	S235JR	1	600	1.98	40.04
				Total	1.98	40.04



UNFOLDED VIEW

1 *REQUIRED AS DRAWN MARKED* W130-ST/20x15

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Consultant: Hill International | Main Contractor: ORASCOM CONSTRUCTION, BOMBARDIER | Structural Designer: INNOVA

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-130

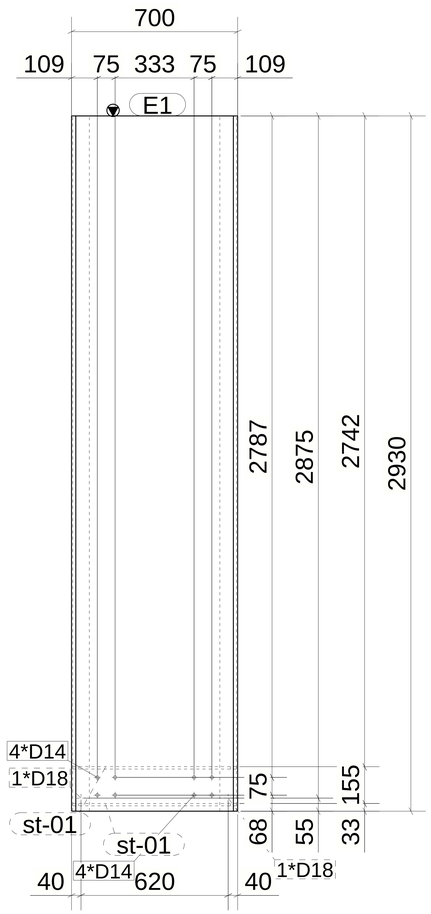
Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30142	B

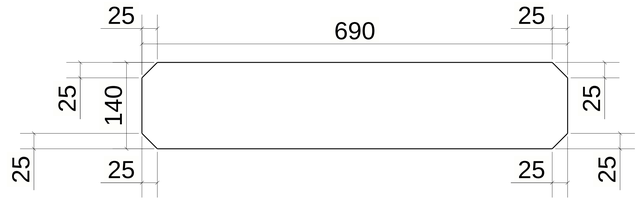
Trimble Sketchup

QTY.	Mark
1	01-51B2L-E7
1	01-51B2R-E7

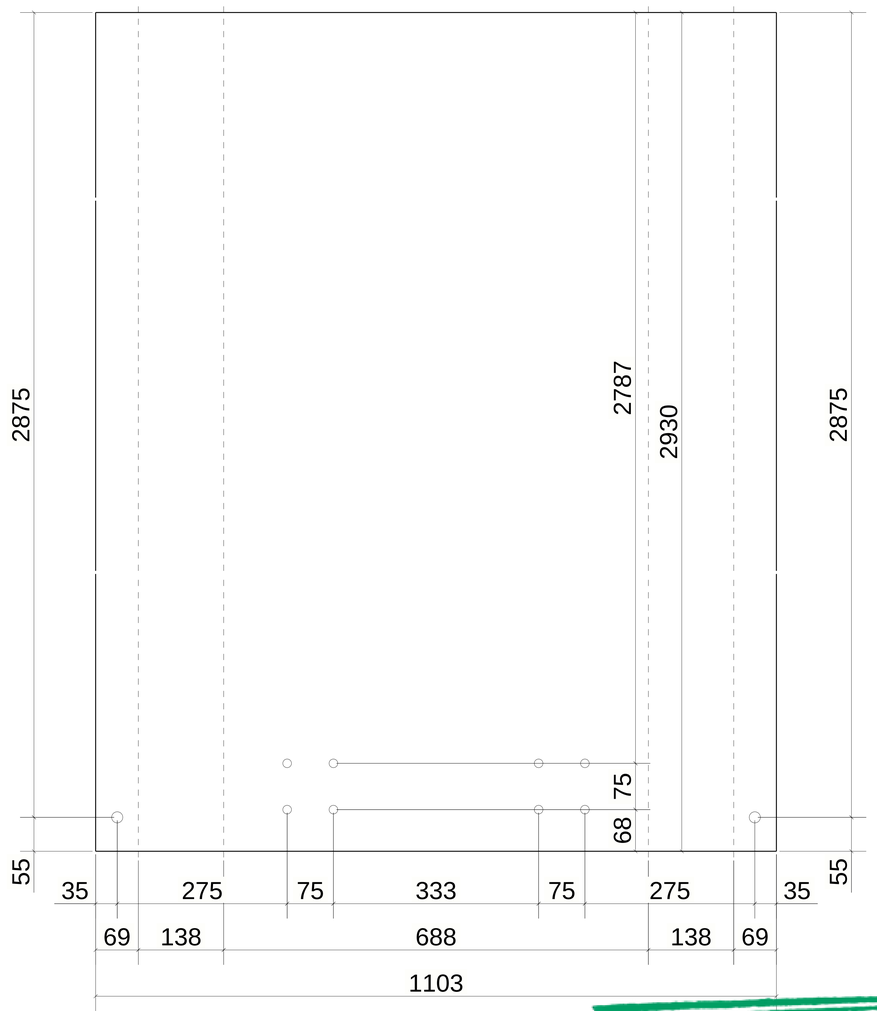
MATERIAL LIST FOR ASSEMBLY MK'D W131-E1

Mark	Profile	GRADE	No.	Length	Area	Weight
E1	CHQ5*2930.0	S235JR	1	1103	6.50	132.83
st-01	PL10*140	S355JR	2	690	0.21	7.48
				Total	6.91	147.80





UNFOLDED VIEW



UNFOLDED VIEW

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

2 *REQUIRED AS DRAWN MARKED* W131-E1/70x15

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
3	
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Consultant: Hill International | Main Contractor: ORASCOM CONSTRUCTION / BOMBARDIER | Structural Designer: INNOVA TRANSPORTATION

KEY PLAN:

SCALE: AS SHOWN | SHOPDRAWING | DATE: 28/04/2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-131

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	047	ACC	60L01	DWG	30143	B

Tekla Structures

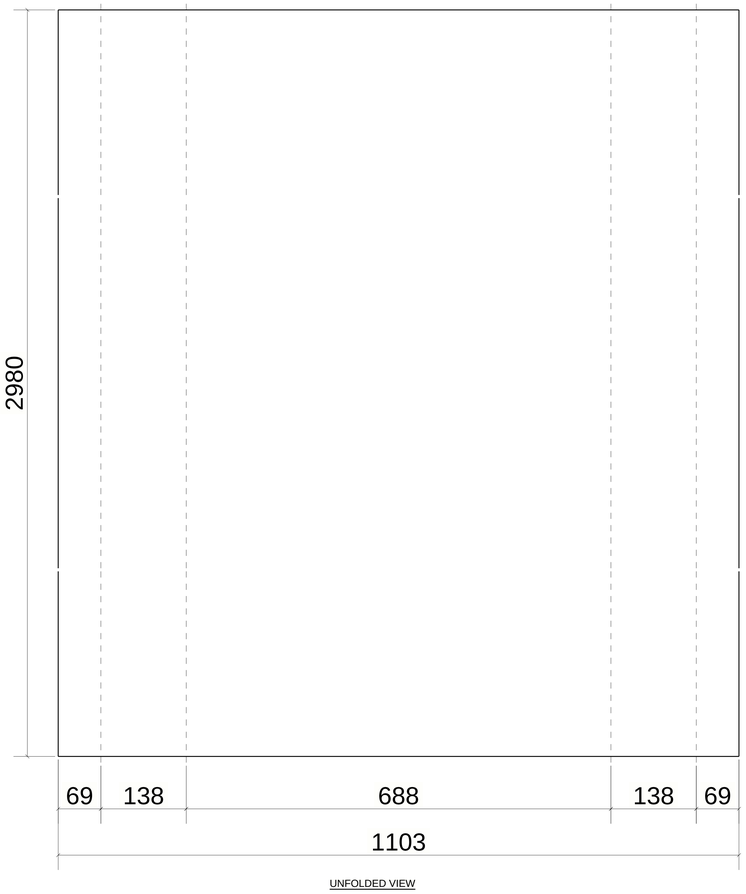
QTY.	Mark
1	01-51B2L-E8
1	01-51B2L-E9
1	01-51B2R-E8
1	01-51B2R-E9

MATERIAL LIST FOR ASSEMBLY MK'D W132-E1

Mark	Profile	GRADE	No.	Length	Area	Weight
E1	CHQ5*2980.0	S235JR	1	1103	6.61	135.09
				Total	6.61	135.09

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing



UNFOLDED VIEW

4 *REQUIRED AS DRAWN MARKED* W132-E1/70x15

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
3	
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Consultant: Hill International | Main Contractor: ORASCOM CONSTRUCTION, BOMBARDIER | Structural Designer: INNOVA TRANSPORTATION

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV.	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-132

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93	M047	3ACC	60L01	DWG	30144	B

Tekla Structures

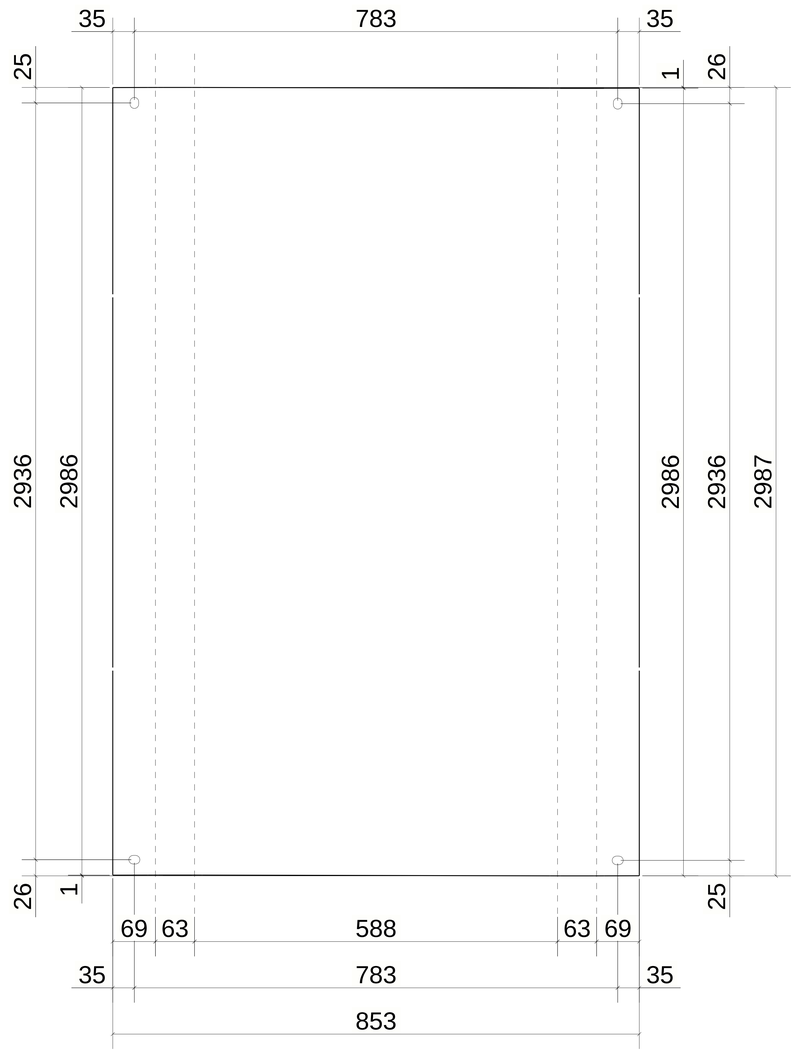
QTY.	Mark
1	01-51B1R-E2
1	01-51B1R-E3

MATERIAL LIST FOR ASSEMBLY MK'D W133-S1

Mark	Profile	GRADE	No.	Length	Area	Weight
S1	CHQ5*2988.0	S235JR	1	853	5.13	104.56
				Total	5.13	104.56

REVIEWED WITH COMMENT MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing



UNFOLDED VIEW

2 *REQUIRED AS DRAWN MARKED* W133-S1/60x7.5

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
3	
4	
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7	
8	
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Hill International Consultant | ORASCOM BOMBARDIER Main Contractor | INNOVA TRANSPORTATION Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-133

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30145	B

Tekla Structures

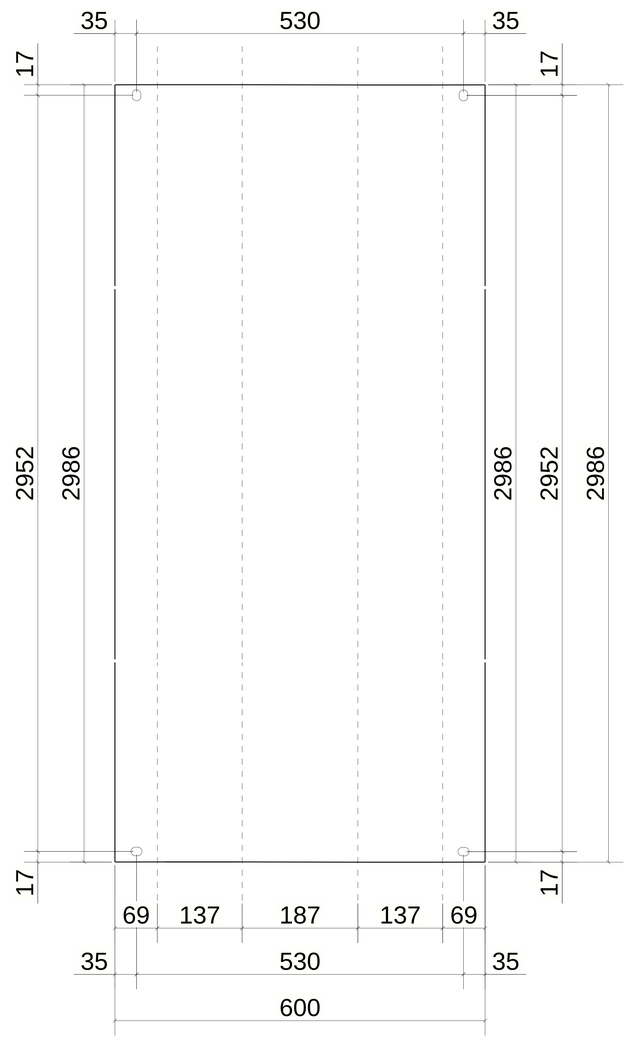
QTY.	Mark
1	01-51B1R-E2
1	01-51B1R-E3

MATERIAL LIST FOR ASSEMBLY MK'D W134-ST

Mark	Profile	GRADE	No.	Length	Area	Weight
ST	CHQ5*2986.0	S235JR	1	600	3.61	73.28
				Total	3.61	73.28

REVIEWED WITH COMMENT MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing



UNFOLDED VIEW

2 *REQUIRED AS DRAWN MARKED* W134-ST/20x15

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Hill International Consultant | ORASCOM BOMBARDIER Main Contractor | INNOVA Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-134

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30146	B

Tekla Structures

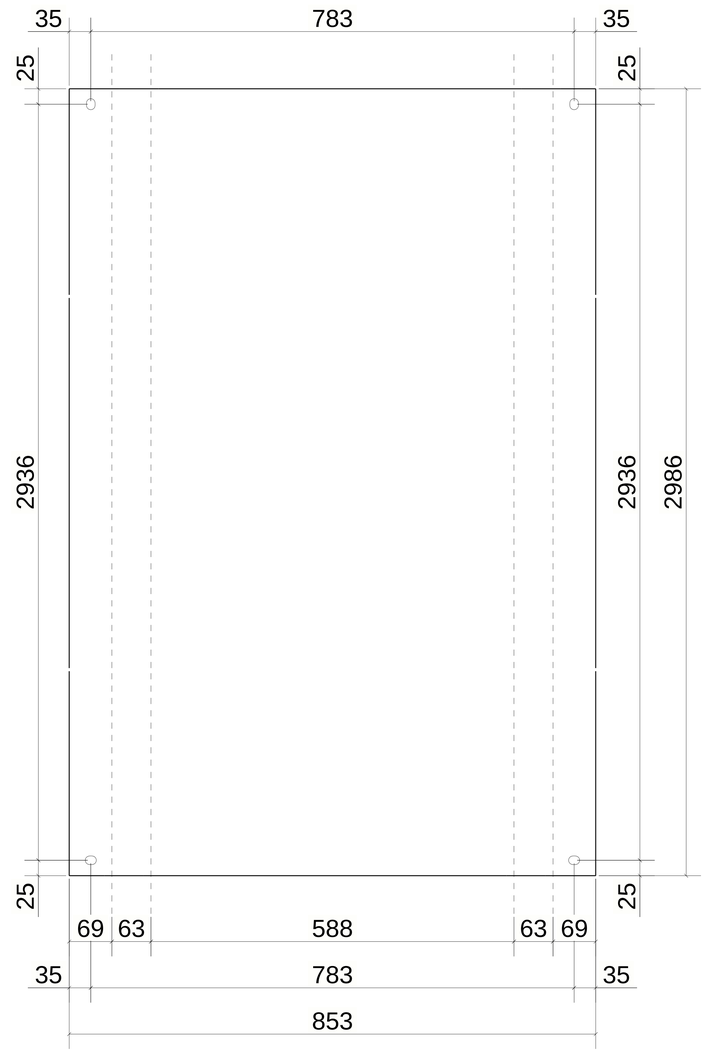
QTY.	Mark
1	01-51B1R-E4
1	01-51B1R-E5

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

MATERIAL LIST FOR ASSEMBLY MK'D W135-S1

Mark	Profile	GRADE	No.	Length	Area	Weight
S1	CHQ5*2986.0	S235JR	1	853	5.13	104.59
				Total	5.13	104.59



UNFOLDED VIEW

2 *REQUIRED AS DRAWN MARKED* W135-S1/60x7.5

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority — Consultant — Main Contractor — Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV.	DATE	DSG.	CHK.	APP.	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-135

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93	M047	3ACC	60L01	DWG	30147	B

Trimble Solutions

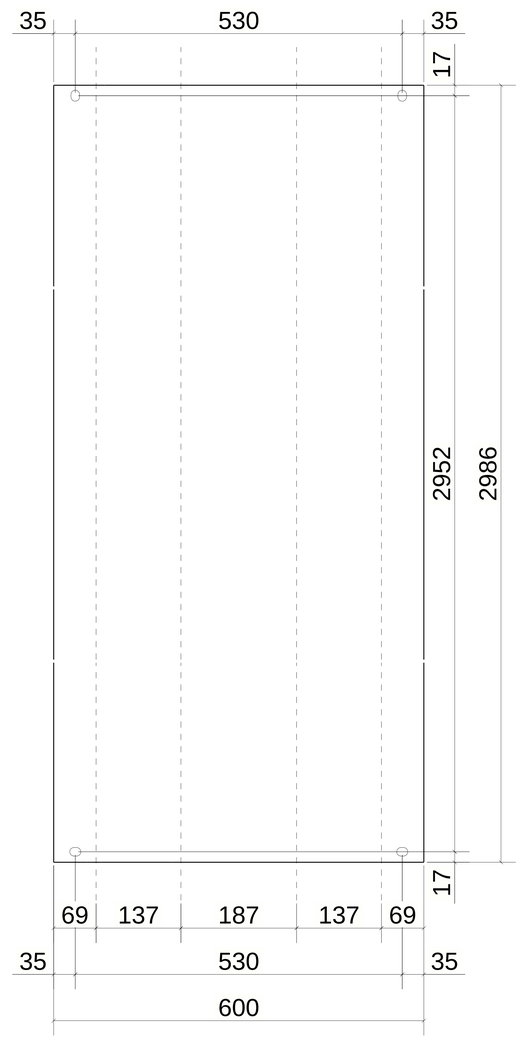
QTY.	Mark
1	01-51B1R-E4
1	01-51B1R-E5

MATERIAL LIST FOR ASSEMBLY MK'D W136-ST

Mark	Profile	GRADE	No.	Length	Area	Weight
ST	CHQ5*2986.0	S235JR	1	600	3.61	73.30
				Total	3.61	73.30

REVIEWED WITH COMMENT MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing



UNFOLDED VIEW

2 *REQUIRED AS DRAWN MARKED* W136-ST/20x15

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
3	
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Hill International Consultant | ORASCOM BOMBARDIER Main Contractor | INNOVA Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-136

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30148	B

Tekla Structures

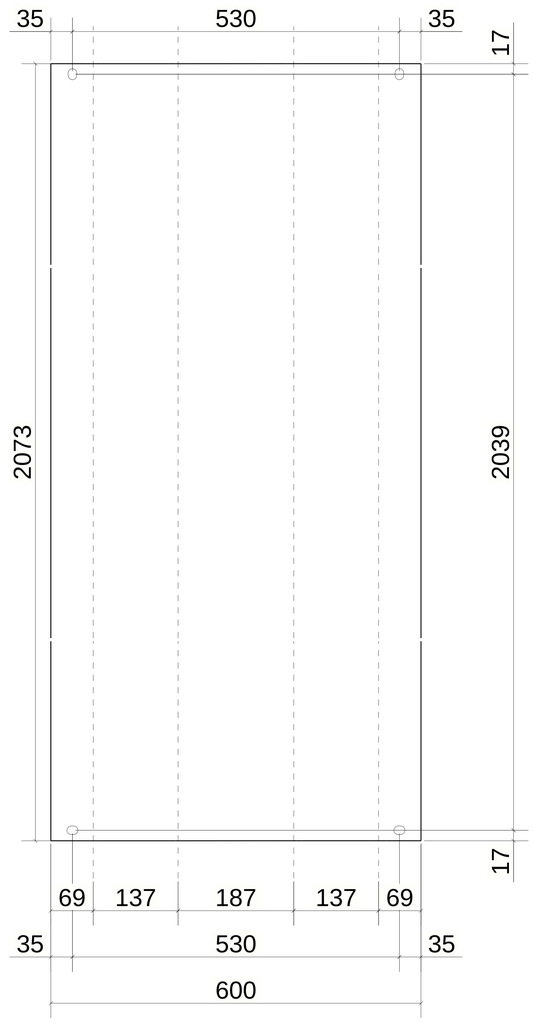
QTY.	Mark
1	01-51B1R-E6

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

MATERIAL LIST FOR ASSEMBLY MK'DW137-ST

Mark	Profile	GRADE	No.	Length	Area	Weight
ST	CHQ5*2074.0	S235JR	1	600	2.51	50.89
				Total	2.51	50.89



UNFOLDED VIEW

1 *REQUIRED AS DRAWN MARKED* W137-ST/20x15

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
3	
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Hill International Consultant | ORASCOM / BOMBARDIER Main Contractor | INNOVA TRANSPORTATION Structural Designer

KEY PLAN:

SCALE: AS SHOWN | SHOPDRAWING | DATE: 28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-137

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30149	B

Tekla Structures

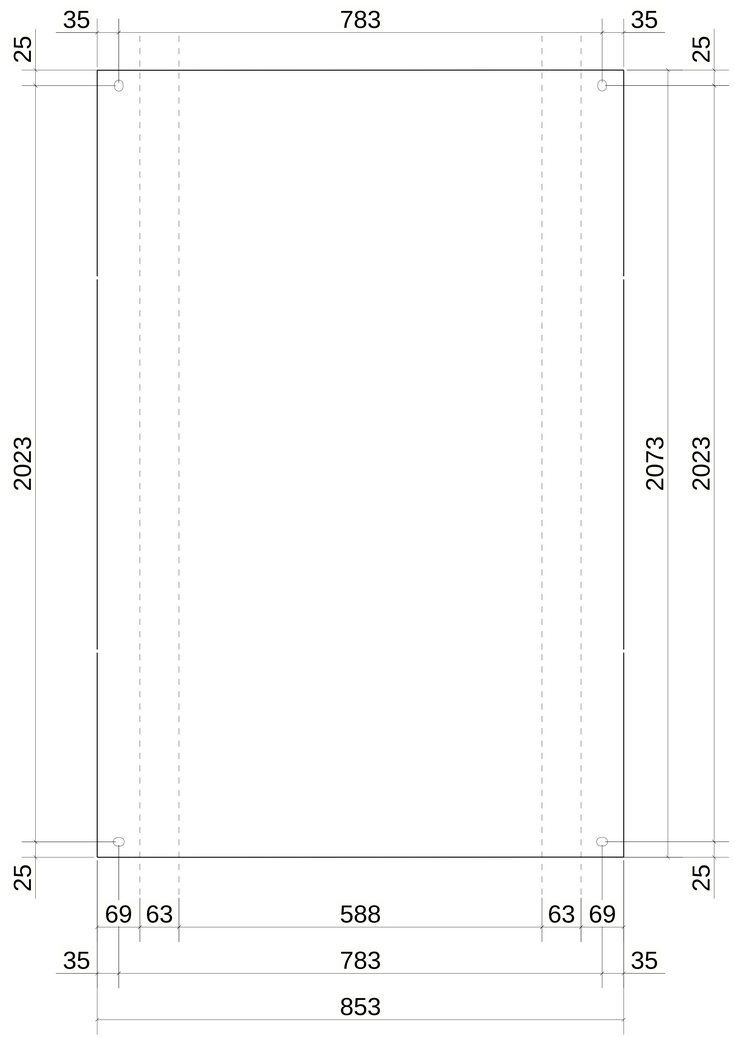
QTY.	Mark
1	01-51B1R-E6

MATERIAL LIST FOR ASSEMBLY MK'D W138-S1

Mark	Profile	GRADE	No.	Length	Area	Weight
S1	CHQ5*2074.0	S235JR	1	853	3.56	72.61
				Total	3.56	72.61

REVIEWED WITH COMMENT MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing



UNFOLDED VIEW

1 *REQUIRED AS DRAWN MARKED* W138-S1/60x7.5

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
3	
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Hill International Consultant | ORASCOM BOMBARDIER Main Contractor | INNOVA Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-138

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30150	B

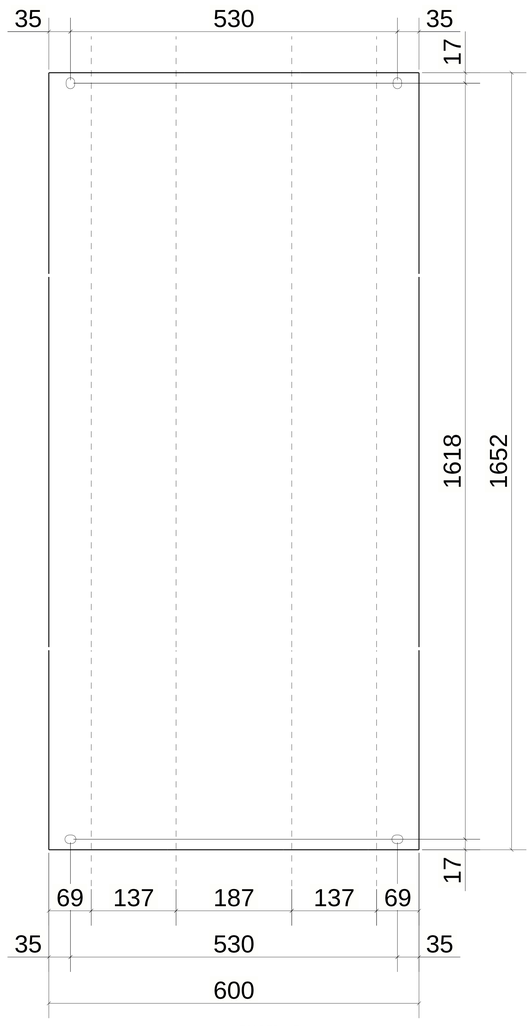
Tekla Structures

QTY.	Mark
1	01-51B2R-E2

MATERIAL LIST FOR ASSEMBLY MK'D W139-ST						
Mark	Profile	GRADE	No.	Length	Area	Weight
ST	CHQ5*1652.0	S235JR	1	600	2.00	40.55
				Total	2.00	40.55

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing



UNFOLDED VIEW

1 *REQUIRED AS DRAWN MARKED* W139-ST/20x15

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Consultant: Hill International | Main Contractor: ORASCOM CONSTRUCTION, BOMBARDIER | Structural Designer: INNOVA TRANSPORTATION

KEY PLAN:

SCALE: AS SHOWN | SHOPDRAWING | DATE: 28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-139

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30151	B

Tekla Structures

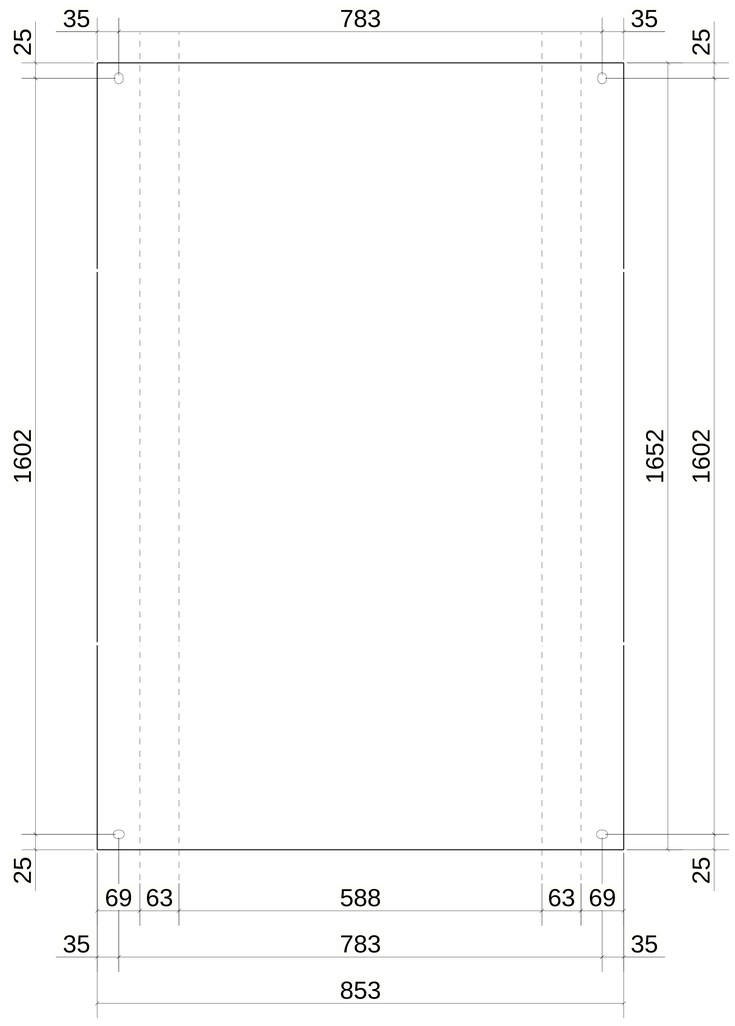
QTY.	Mark
1	01-51B2R-E2

MATERIAL LIST FOR ASSEMBLY MK'D W140-S1

Mark	Profile	GRADE	No.	Length	Area	Weight
S1	CHQ5*1652.0	S235JR	1	853	2.84	57.86
				Total	2.84	57.86

REVIEWED WITH COMMENT MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing



UNFOLDED VIEW

1 *REQUIRED AS DRAWN MARKED* W140-S1/60x7.5

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Hill International Consultant | ORASCOM BOMBARDIER Main Contractor | INNOVA Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-140

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30152	B

Tekla Structures

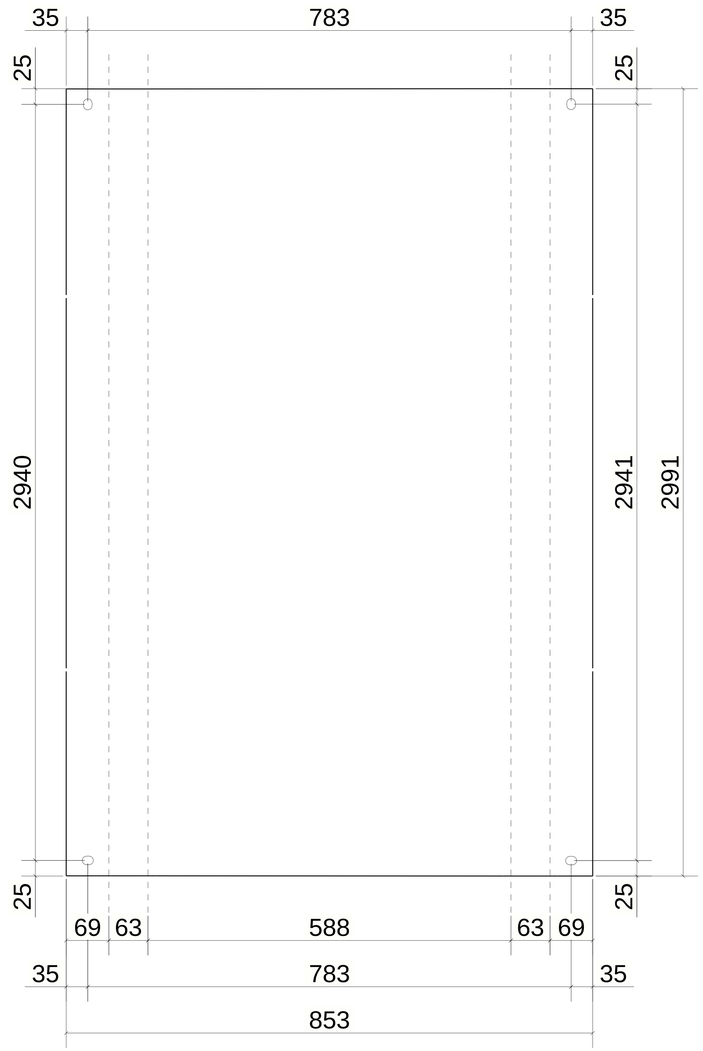
QTY.	Mark
1	01-51B2R-E7
1	01-51B2R-E8
1	01-51B2R-E9

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

MATERIAL LIST FOR ASSEMBLY MK'D W141-S1

Mark	Profile	GRADE	No.	Length	Area	Weight
S1	CHQ5*2992.0	S235JR	1	853	5.14	104.74
				Total	5.14	104.74



UNFOLDED VIEW

3 *REQUIRED AS DRAWN MARKED* W141-S1/60x7.5

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Consultant: Hill International | Main Contractor: ORASCOM / BOMBARDIER | Structural Designer: INNOVA

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-141

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93	M047	3ACC	60L01	DWG	30153	B

Delta Structures

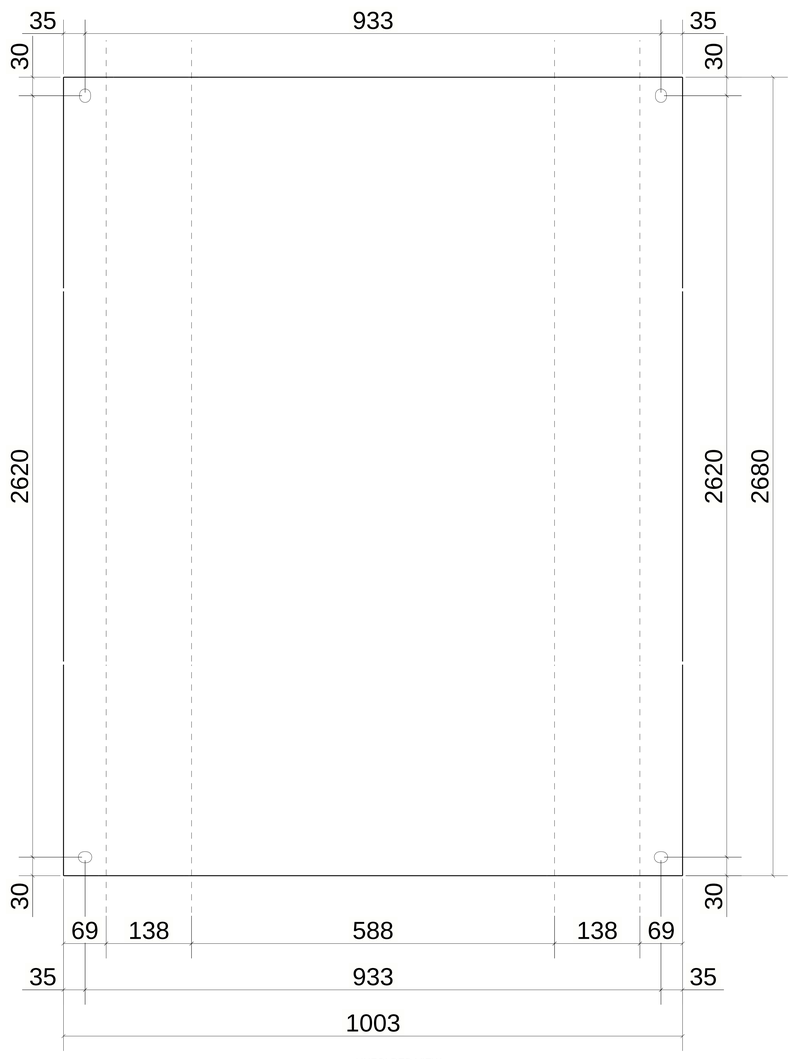
QTY.	Mark
1	01-03B2-S01
1	01-51B2-S01

MATERIAL LIST FOR ASSEMBLY MK'D W142-E1

Mark	Profile	GRADE	No.	Length	Area	Weight
E1	CHQ5*2680.0	S235JR	1	1003	5.41	110.44
				Total	5.41	110.44

REVIEWED WITH COMMENT MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing



UNFOLDED VIEW

2 *REQUIRED AS DRAWN MARKED* W142-E1/60x15

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Hill International Consultant | ORASCOM BOMBARDIER Main Contractor | INNOVA TRANSPORTATION Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-142

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30154	B

Tekla Structures

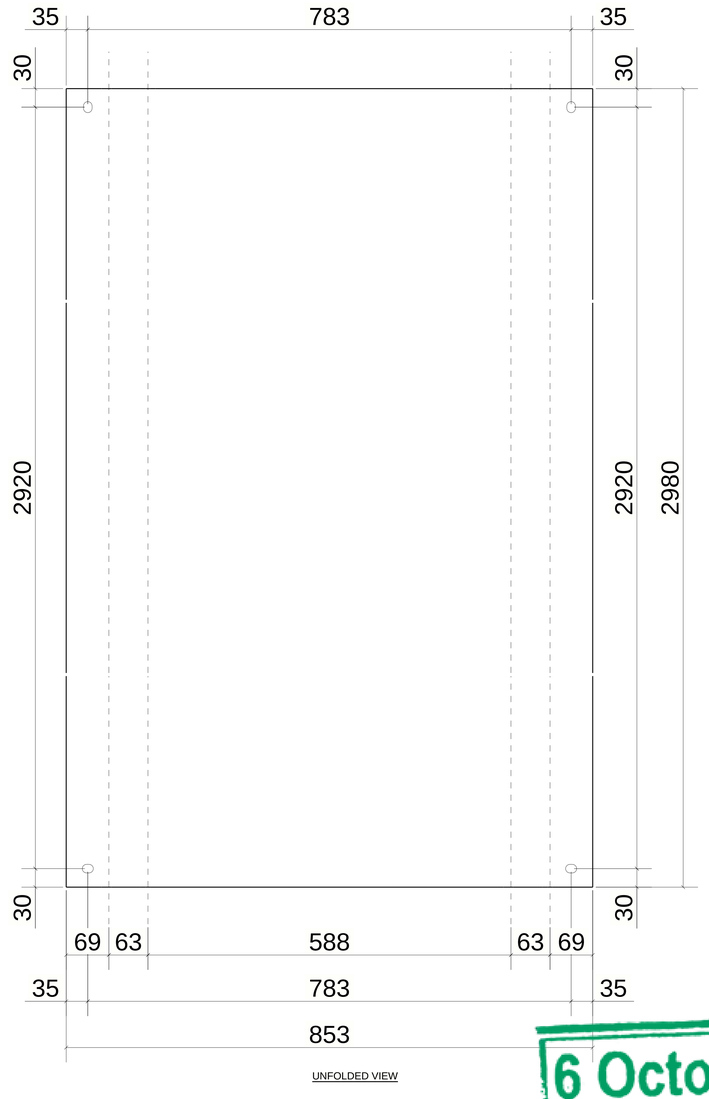
QTY.	Mark
1	01-03B2-S03
1	01-03B2-S04
1	01-03B2-S05
1	01-03B2-S06
1	01-03B2-S07
1	01-03B2-S08
1	01-03B2-S09
1	01-03B2-S10
1	01-51B2-S04

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

MATERIAL LIST FOR ASSEMBLY MK'DW143-S2

Mark	Profile	GRADE	No.	Length	Area	Weight
S2	CHQ5*2980.0	S235JR	1	853	5.12	104.36
				Total	5.12	104.36



UNFOLDED VIEW

9 *REQUIRED AS DRAWN MARKED* W143-S2/60x7.5

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority — Hill International Consultant — Main Contractor — Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

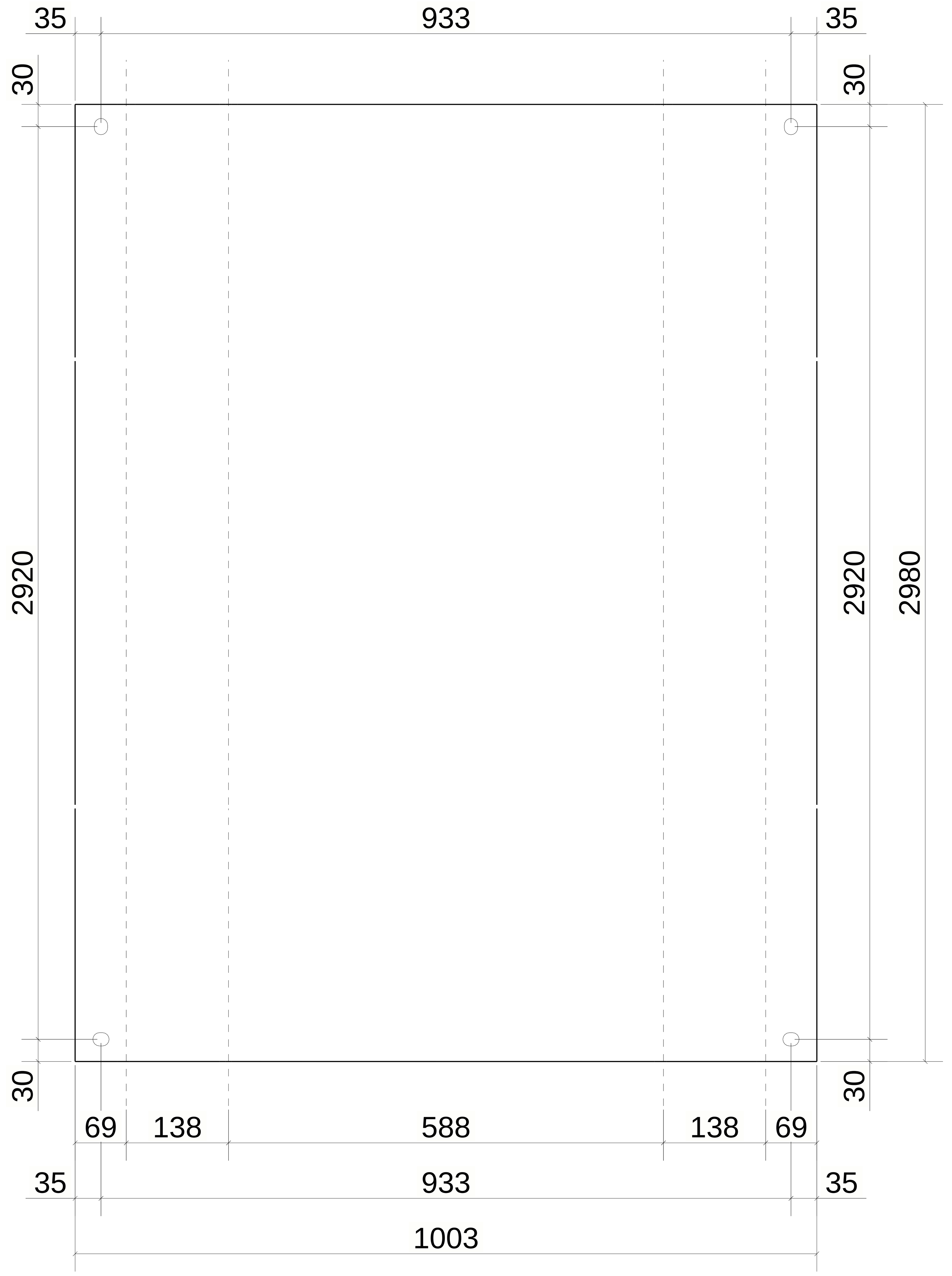
REV.	DATE	DSG.	CHK.	APP.	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-143

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	047	3ACC	60L01	DWG	30155	B

Data Structures

QTY.	Mark
1	01-03B2-S03
1	01-03B2-S04
1	01-03B2-S05
1	01-03B2-S06
1	01-03B2-S07
1	01-03B2-S08
1	01-03B2-S09
1	01-51B1-S04
1	01-51B1-S05
1	01-51B1-S06
1	01-51B1-S07
1	01-51B1-S08



UNFOLDED VIEW

MATERIAL LIST FOR ASSEMBLY MK'D W144-E1

Mark	Profile	GRADE	No.	Length	Area	Weight
E1	CHQ5*2980.0	S235JR	1	1003	6.01	122.80
				Total	6.01	122.80

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

6 October Monorail
Engineering Unit
Valid For Construction

12 *REQUIRED AS DRAWN MARKED* W144-E1/60x15

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Hill International Consultant | Main Contractor | Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG.	CHK.	APP.	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-144

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30156	B

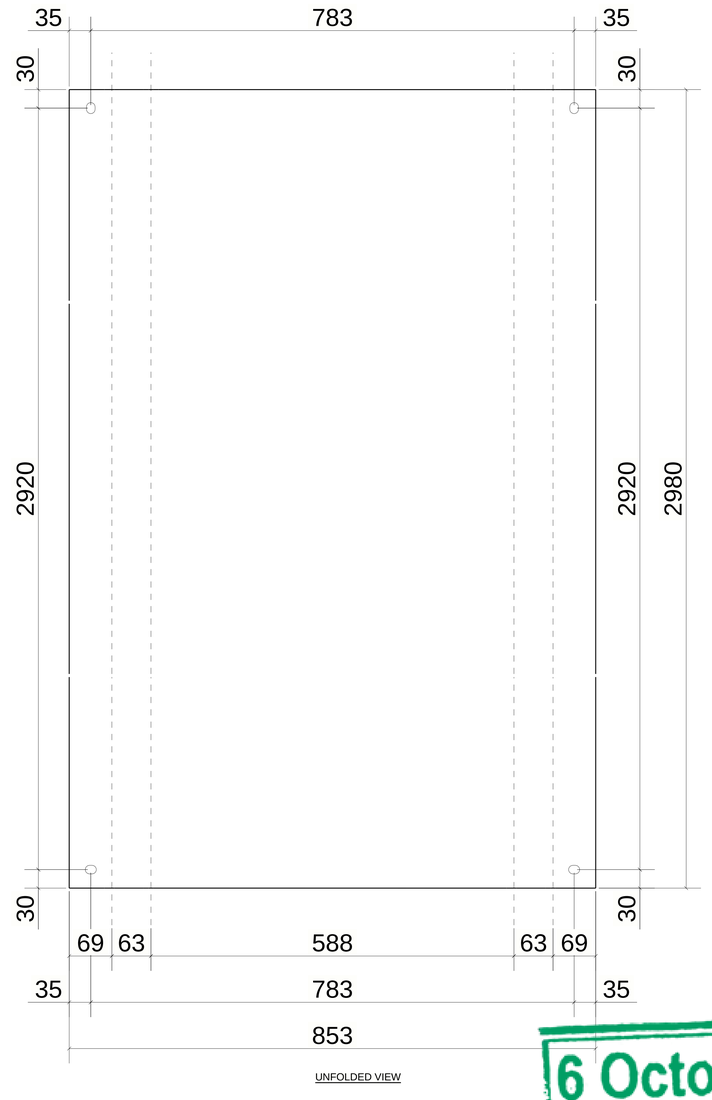
QTY.	Mark
1	01-03B2-S03
1	01-03B2-S04
1	01-03B2-S05
1	01-03B2-S06
1	01-03B2-S07
1	01-03B2-S08
1	01-03B2-S09
1	01-51B1-S04
1	01-51B1-S07

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

MATERIAL LIST FOR ASSEMBLY MK'D W145-S1

Mark	Profile	GRADE	No.	Length	Area	Weight
S1	CHQ5*2980.0	S235JR	1	853	5.12	104.36
				Total	5.12	104.36



UNFOLDED VIEW

9 *REQUIRED AS DRAWN MARKED* W145-S1/60x7.5

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Consultant: Hill International | Main Contractor: ORASCOM / BOMBARDIER | Structural Designer: INNOVA TRANSPORTATION

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV.	DATE	DSG.	CHK.	APP.	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-145

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30157	B

Data Structures

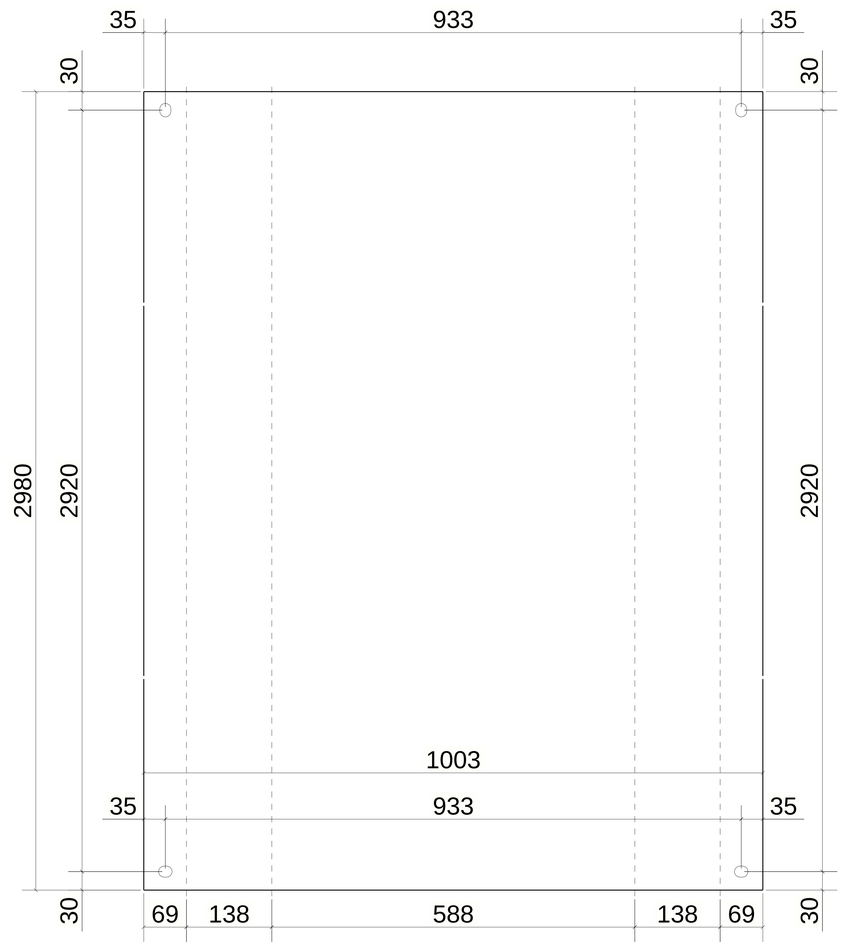
QTY.	Mark
1	01-03B3-S05
1	01-51B1-S04

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

MATERIAL LIST FOR ASSEMBLY MK'D W146-E3

Mark	Profile	GRADE	No.	Length	Area	Weight
E3	CHQ5*2980.0	S235JR	1	1003	6.01	122.80
				Total	6.01	122.80



UNFOLDED VIEW

2 *REQUIRED AS DRAWN MARKED* W146-E3/60x15

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority — Hill International (Consultant) — Main Contractor — Structural Designer

KEY PLAN:

SCALE: AS SHOWN | SHOPDRAWING | DATE: 28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-146

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93	M047	3ACC	60L01	DWG	30158	B

Delta Structures

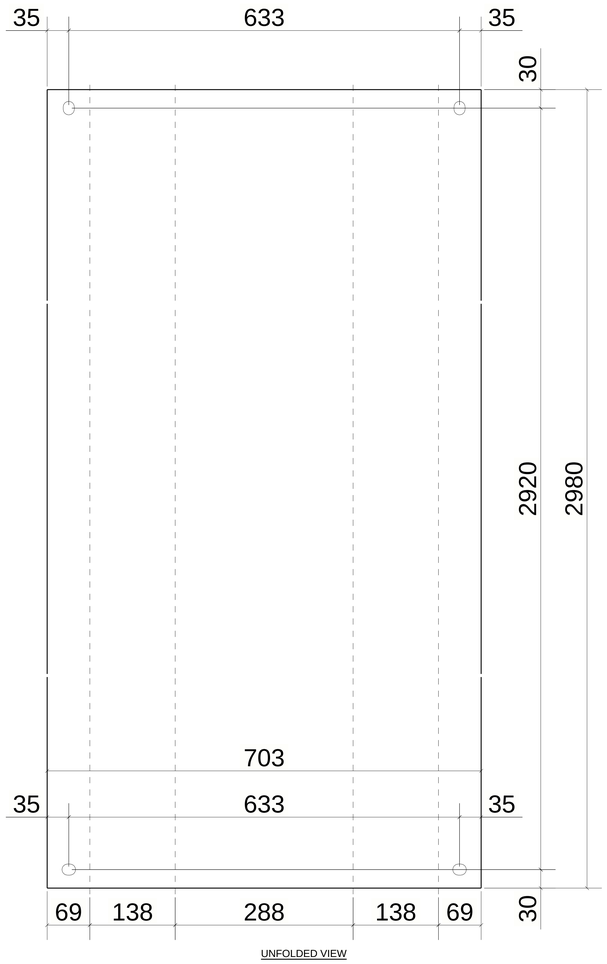
QTY.	Mark
1	01-03B4-S03
1	01-51B1-S04
1	01-51B1-S05
1	01-51B1-S06
1	01-51B1-S07
1	01-51B1-S08

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

MATERIAL LIST FOR ASSEMBLY MK'D W147-E2

Mark	Profile	GRADE	No.	Length	Area	Weight
E2	CHQ5*2980.0	S235JR	1	703	4.22	85.92
				Total	4.22	85.92



UNFOLDED VIEW

6 *REQUIRED AS DRAWN MARKED* W147-E2/30x15

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority — Consultant — Main Contractor — Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-147

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30159	B

Track Structures

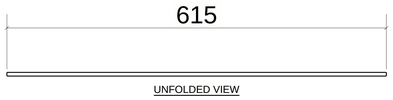
QTY.	Mark
1	01-03B3-S05
1	01-03B4-S03

REVIEWED WITH COMMENT
MONORAILS PROJECT

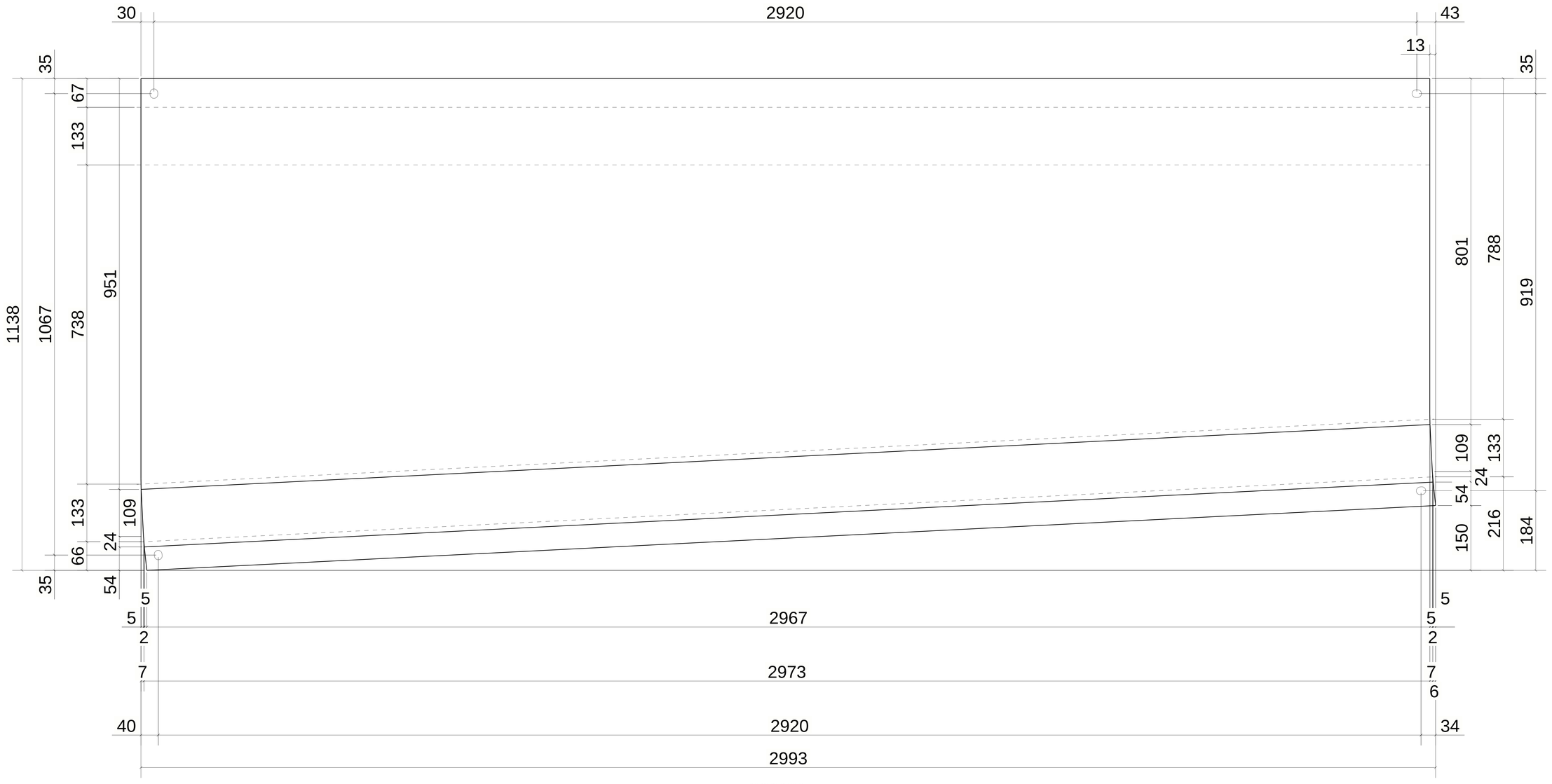
-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing

MATERIAL LIST FOR ASSEMBLY MK'DW148-E3

Mark	Profile	GRADE	No.	Length	Area	Weight
E3	CHQ5*1138.0	S235JR	1	2993	6.37	130.20
rb001	ROD6	S355JR	1	615	0.01	0.12
				Total	6.38	130.32



UNFOLDED VIEW



UNFOLDED VIEW

2 *REQUIRED AS DRAWN MARKED* W148-E3/R75x60/15

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Consultant | Main Contractor | Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-148

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	047	3ACC	60L01	DWG	30160	B

Tekla Structures

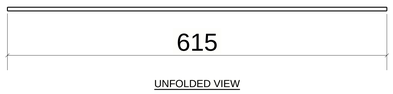
QTY.	Mark
1	01-03B3-S05
1	01-03B4-S03

MATERIAL LIST FOR ASSEMBLY MK'D W149-E1

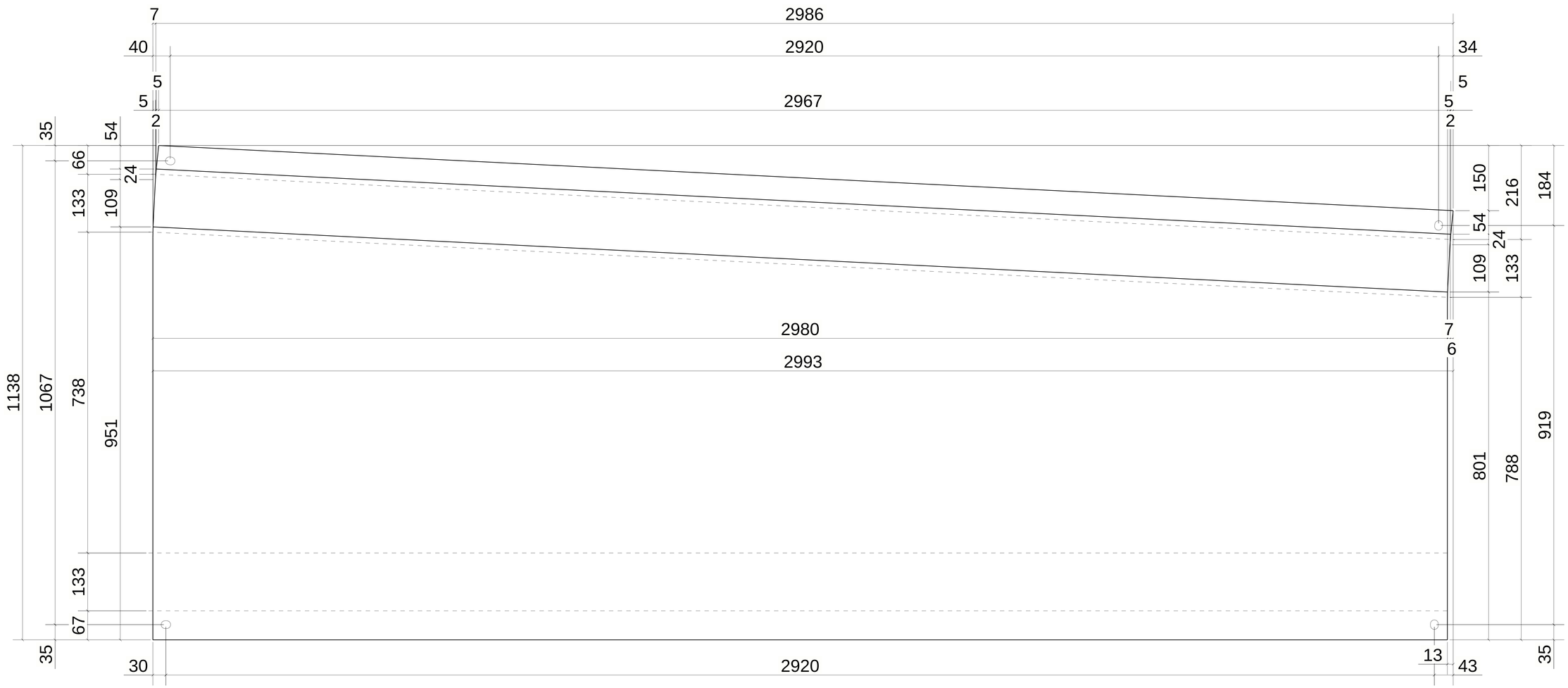
Mark	Profile	GRADE	No.	Length	Area	Weight
E1	CHQ5*1138.0	S235JR	1	2993	6.37	130.20
rb001	ROD6	S355JR	1	615	0.01	0.12
				Total	6.38	130.32

REVIEWED WITH COMMENT
MONORAILS PROJECT

-Approval is subject to approval of coordination package between multi-discipline
-For all the planks assemblies:
Slots and holes size are missing



UNFOLDED VIEW



UNFOLDED VIEW

2 *REQUIRED AS DRAWN MARKED* W149-E1/L75x60/15

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Consultant: Hill International | Main Contractor: ORASCOM CONSTRUCTION, The Arab Contractors, BOMBARDIER | Structural Designer: INNOVA TRANSPORTATION

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

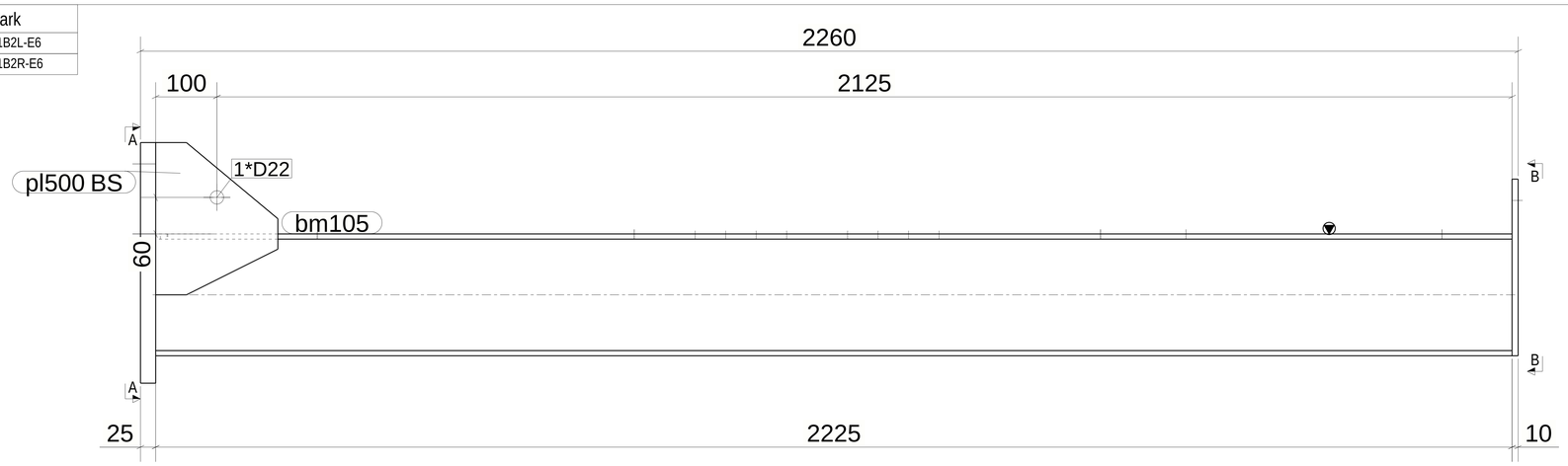
REV.	DATE	DSG.	CHK.	APP.	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

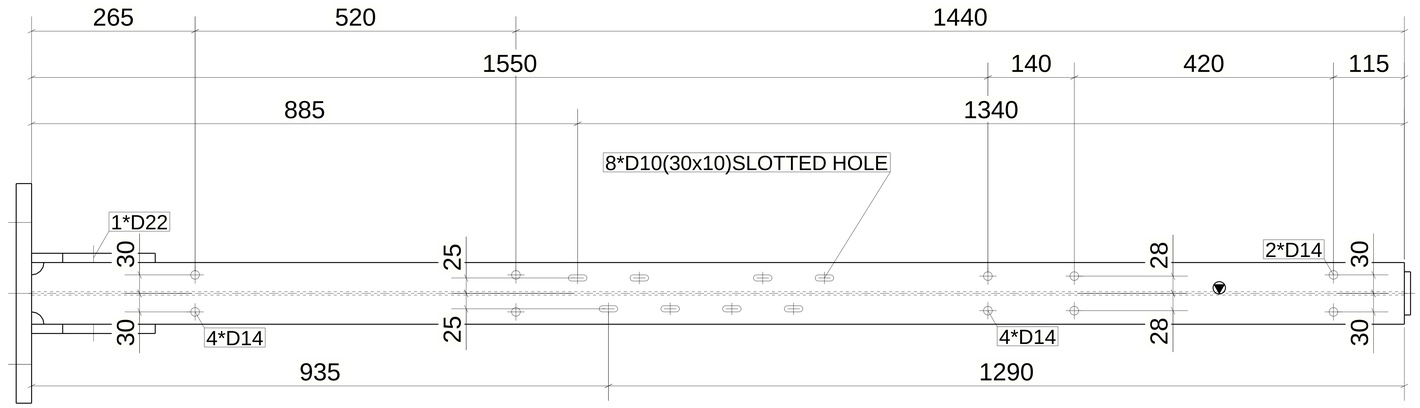
DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
WALK WAY : CHQ-149

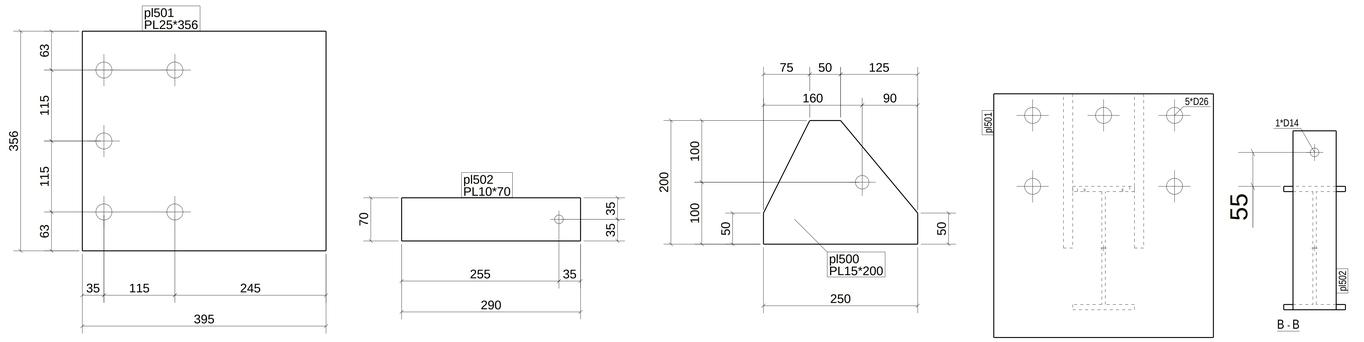
Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93	M047	3ACC	60L01	DWG	30161	B

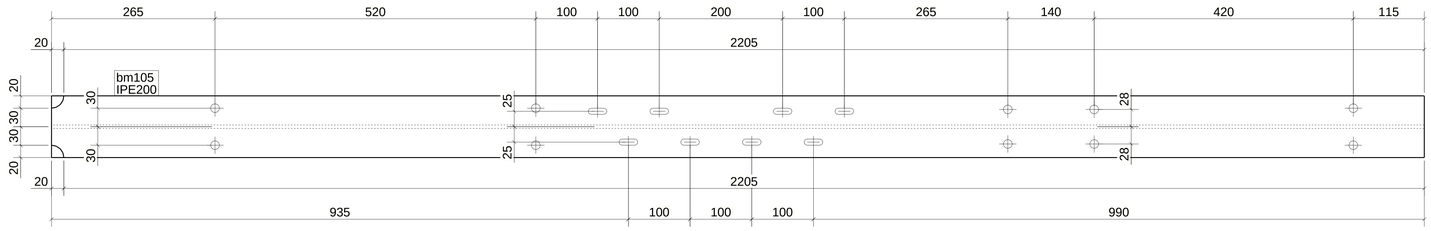
Tekla Structures

QTY.	Mark
1	01-51B2L-E6
1	01-51B2R-E6









MATERIAL LIST FOR ASSEMBLY MK'DCWT_225

Mark	Profile	GRADE	No.	Length	Area	Weight
bm105	IPE200	S355JR	1	2225	1.71	49.78
pl500	PL15*200	S355JR	2	250	0.08	4.13
pl501	PL25*356	S355JR	1	395	0.32	27.60
pl502	PL10*70	S355JR	1	290	0.05	1.59
				Total	2.24	87.24

approval is subject to approval of coordination package between multi-discipline

REVIEWED WITH COMMENT
MONORAILS PROJECT

2 *REQUIRED AS DRAWN MARKED* CWT_225

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
3	
4	
5	
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority — Hill International Consultant — Main Contractor — Structural Designer

KEY PLAN:

6 October Monorail
Engineering Unit
Valid For Construction

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

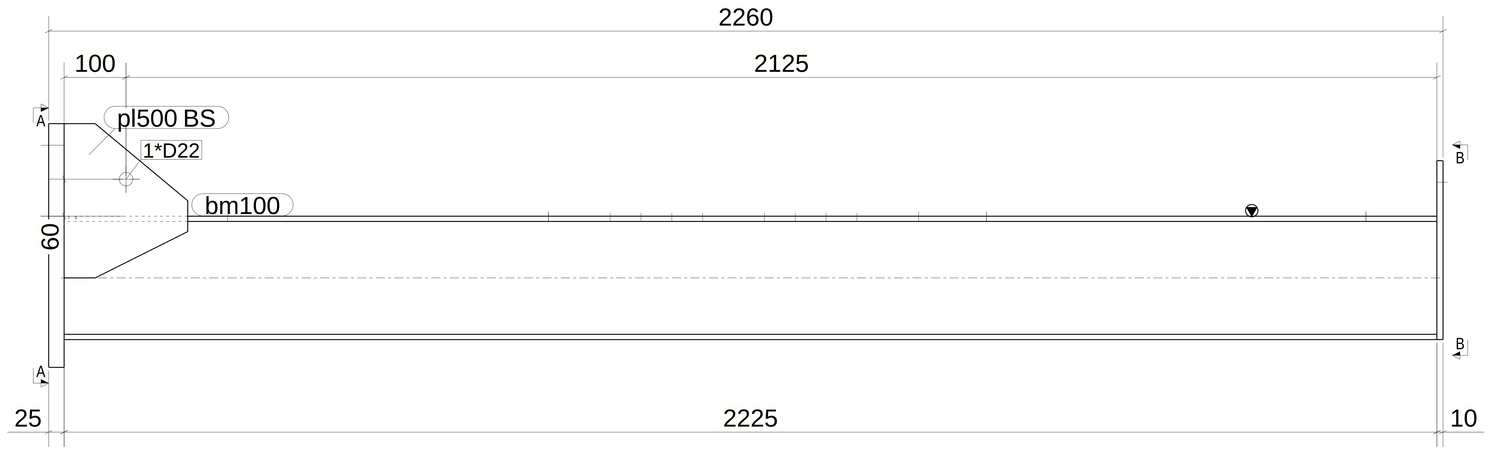
REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

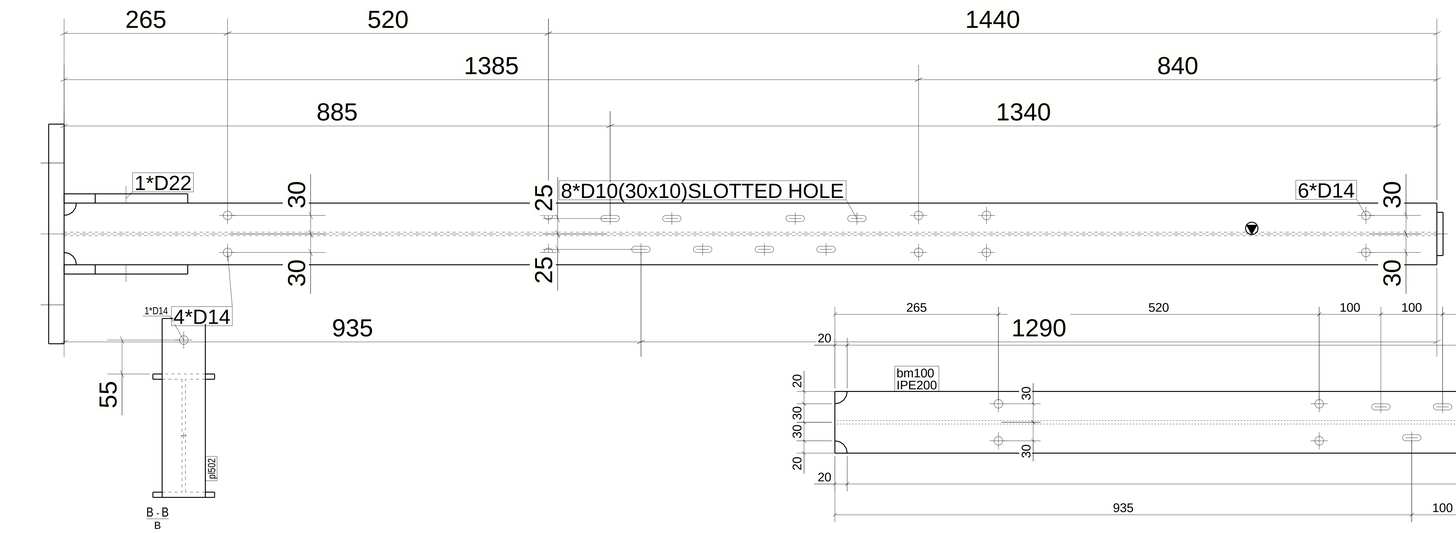
DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
BEAM : CWT_225-1

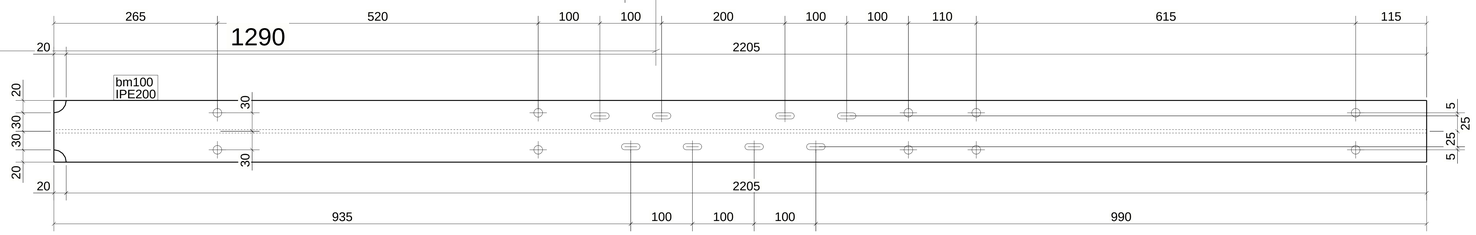
Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	047	3ACC	60L01	DWG	30162	B

Track Structures

QTY.	Mark
1	01-51B2L-E7
1	01-51B2L-E8
1	01-51B2L-E9
1	01-51B2R-E7
1	01-51B2R-E8
1	01-51B2R-E9





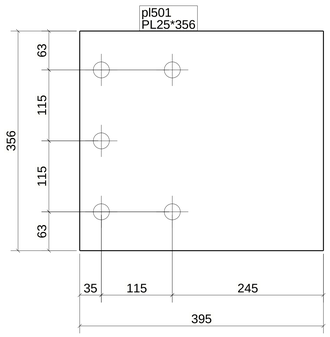


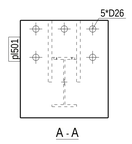
MATERIAL LIST FOR ASSEMBLY MK'DCW_225

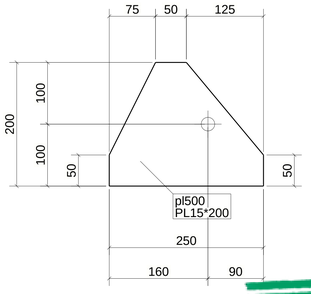
Mark	Profile	GRADE	No.	Length	Area	Weight
bm100	IPE200	S355JR	1	2225	1.71	49.78
pl500	PL15*200	S355JR	2	250	0.08	4.13
pl501	PL25*356	S355JR	1	395	0.32	27.60
pl502	PL10*70	S355JR	1	290	0.05	1.59
				Total	2.24	87.24

approval is subject to approval of coordination package between multi-discipline

REVIEWED WITH COMMENT MONORAILS PROJECT







6 *REQUIRED AS DRAWN MARKED* CW_225

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
3	
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Consultant: Hill International | Main Contractor: ORASCOM CONSTRUCTION, BOMBARDIER | Structural Designer: INNOVA TRANSPORTATION

KEY PLAN:

SCALE: AS SHOWN | SHOPDRAWING | DATE: 28.04.2024

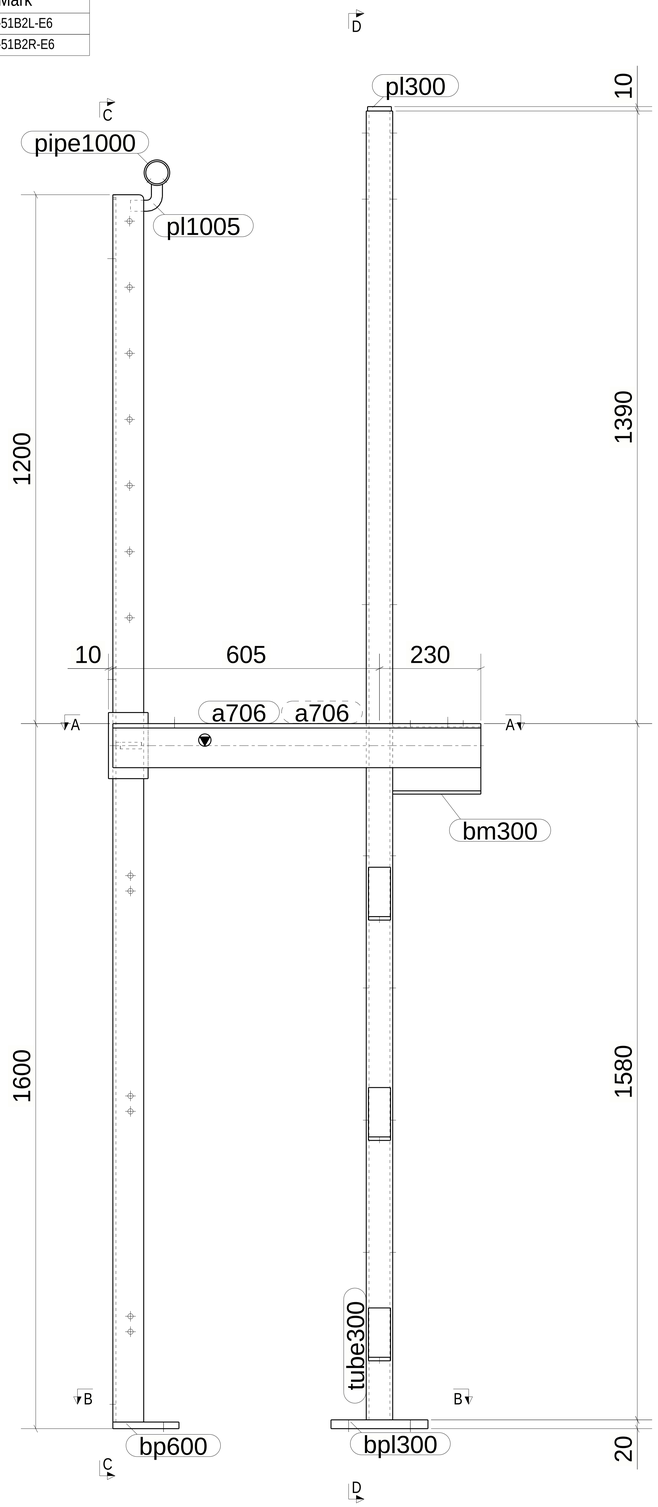
REV.	DATE	DSG.	CHK.	APP.	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

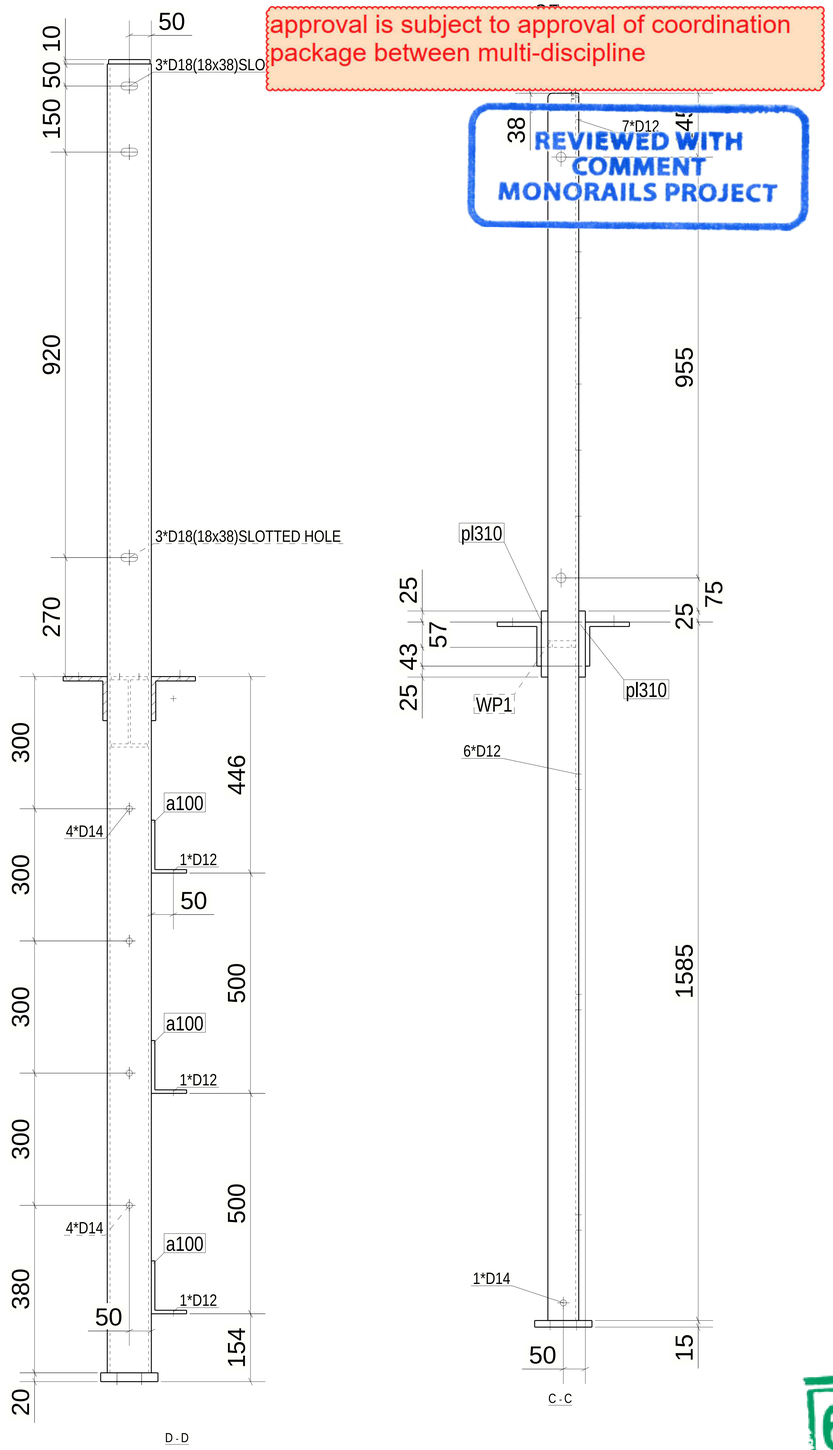
DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
BEAM : CW_225-1

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	047	ACC	60L01	DWG	30163	B

Trade Secrets

QTY.	Mark
1	01-51B2L-E6
1	01-51B2R-E6

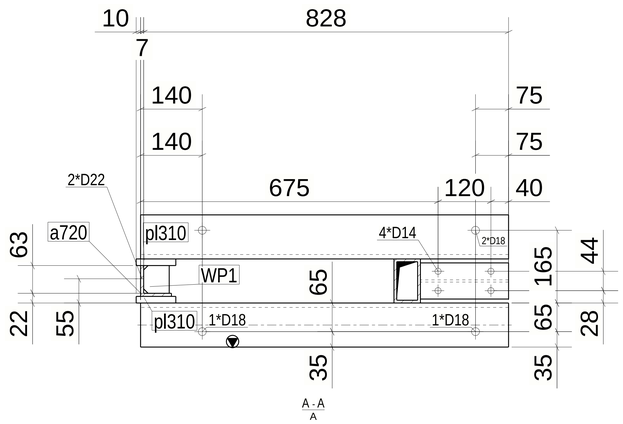


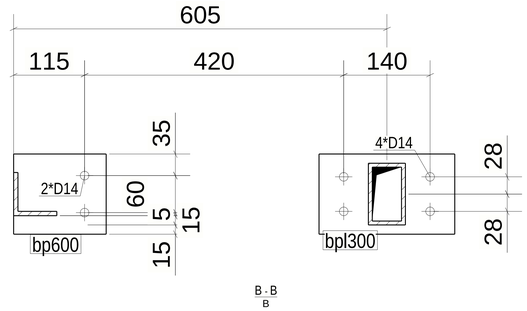


approval is subject to approval of coordination package between multi-discipline

REVIEWED WITH COMMENT MONORAILS PROJECT

MATERIAL LIST FOR ASSEMBLY MK'D F1T						
Mark	Profile	GRADE	No.	Length	Area	Weight
a706	L100*10	S235JR	1	835	0.33	12.59
WP1	PL15*58	S355JR	1	63	0.01	0.42
a100	L120*80*8	S235JR	3	50	0.02	0.61
a706	L100*10	S235JR	1	835	0.33	12.59
a720	L70*7	S235JR	1	2785	0.76	20.55
bm300	IPE160	S355JR	1	200	0.12	3.16
bp600	PL15*130	S355JR	1	150	0.05	2.30
bpl300	PL20*130	S355JR	1	220	0.07	4.49
pipe1000	PIPE58*3.75	S235JRH	1	25	0.01	0.12
pl300	PL10*94	S355JR	1	54	0.01	0.40
pl310	PL15*90	S355JR	2	150	0.03	1.59
pl1005	PL10*62	S355JR	1	73	0.01	0.19
tube300	RHS100*60*6.3	S235JRH	1	2970	0.92	42.17
				Total	2.74	103.97





2 *REQUIRED AS DRAWN MARKED* F1T

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
3	
4	
5	
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7	
8	
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority — Hill International Consultant — Main Contractor — Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

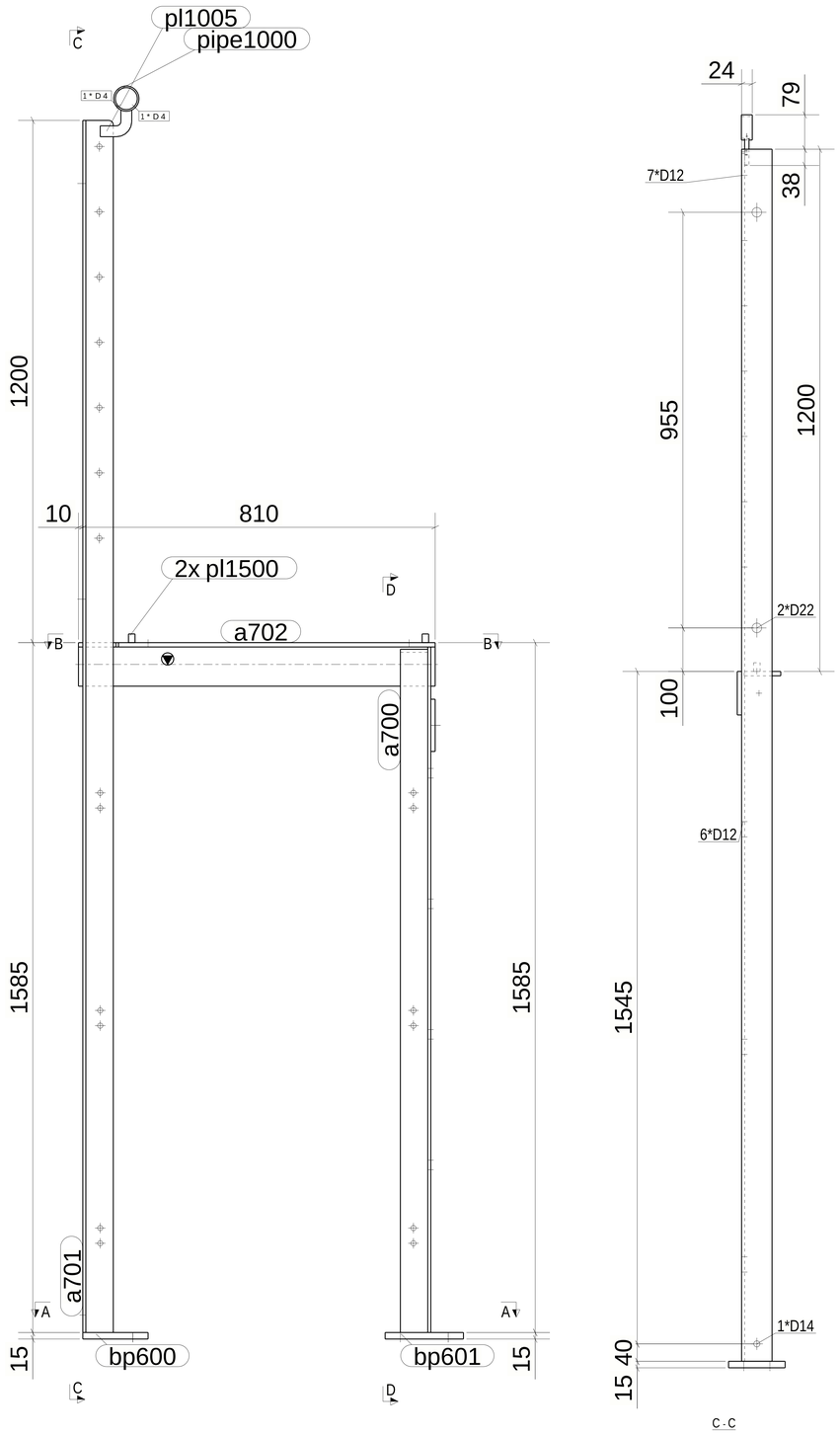
REV.	DATE	DSG.	CHK.	APP.	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
FRAME : F1T-1

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
9 3 M	0 4 7 3	A C C	6 0 L	0 1 D	W G 3 0 1 6 4	B

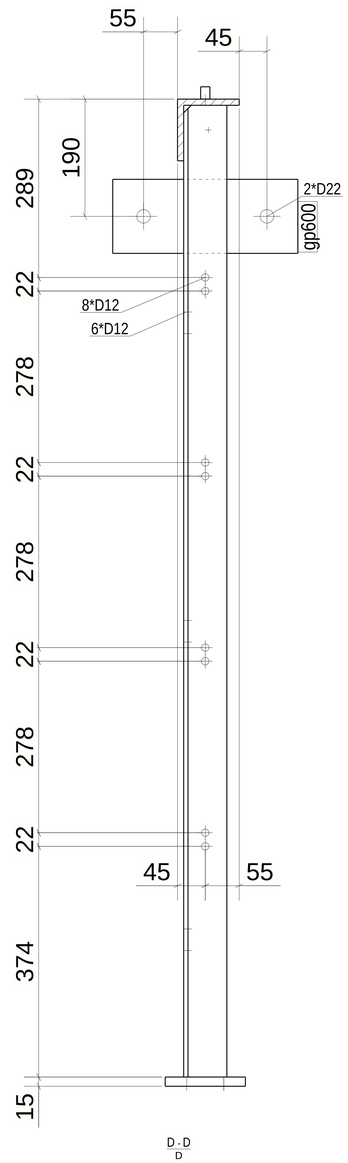
Data Structures

QTY.	Mark
1	01-51B2L-E8
1	01-51B2R-E8



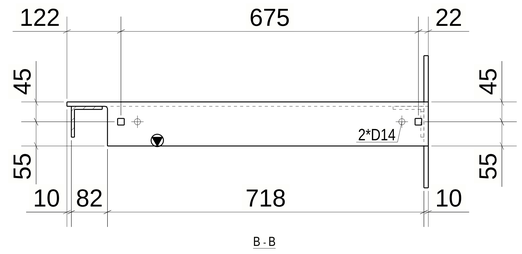
approval is subject to approval of coordination package between multi-discipline

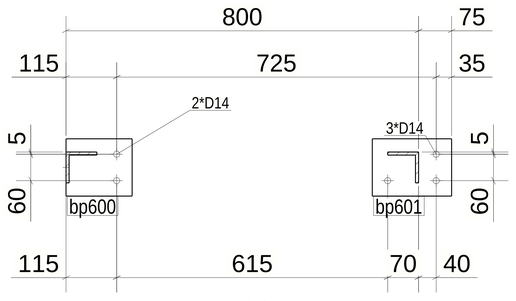
REVIEWED WITH COMMENT MONORAILS PROJECT



MATERIAL LIST FOR ASSEMBLY MK'D F1_TC

Mark	Profile	GRADE	No.	Length	Area	Weight
a702	L100*10	S235JR	1	820	0.32	12.36
a700	L70*7	S235JR	1	1575	0.43	11.62
a701	L70*7	S235JR	1	2785	0.76	20.55
bp600	PL15*130	S355JR	1	150	0.05	2.30
bp601	PL15*130	S355JR	1	180	0.06	2.76
gp600	PL10*300	S355JR	1	120	0.08	2.83
pipe1000	PIPE58*3.75	S235JRH	1	25	0.01	0.12
pl1005	PL10*62	S355JR	1	73	0.01	0.19
pl1500	SQ15*15	S355JR	2	20	0.00	0.04
				Total	1.71	52.79





2 *REQUIRED AS DRAWN MARKED* F1_TC

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
3	
4	
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7	
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9	

6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Hill International Consultant | ORASCOM BOMBARDIER Main Contractor | INNOVA TRANSPORTATION Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

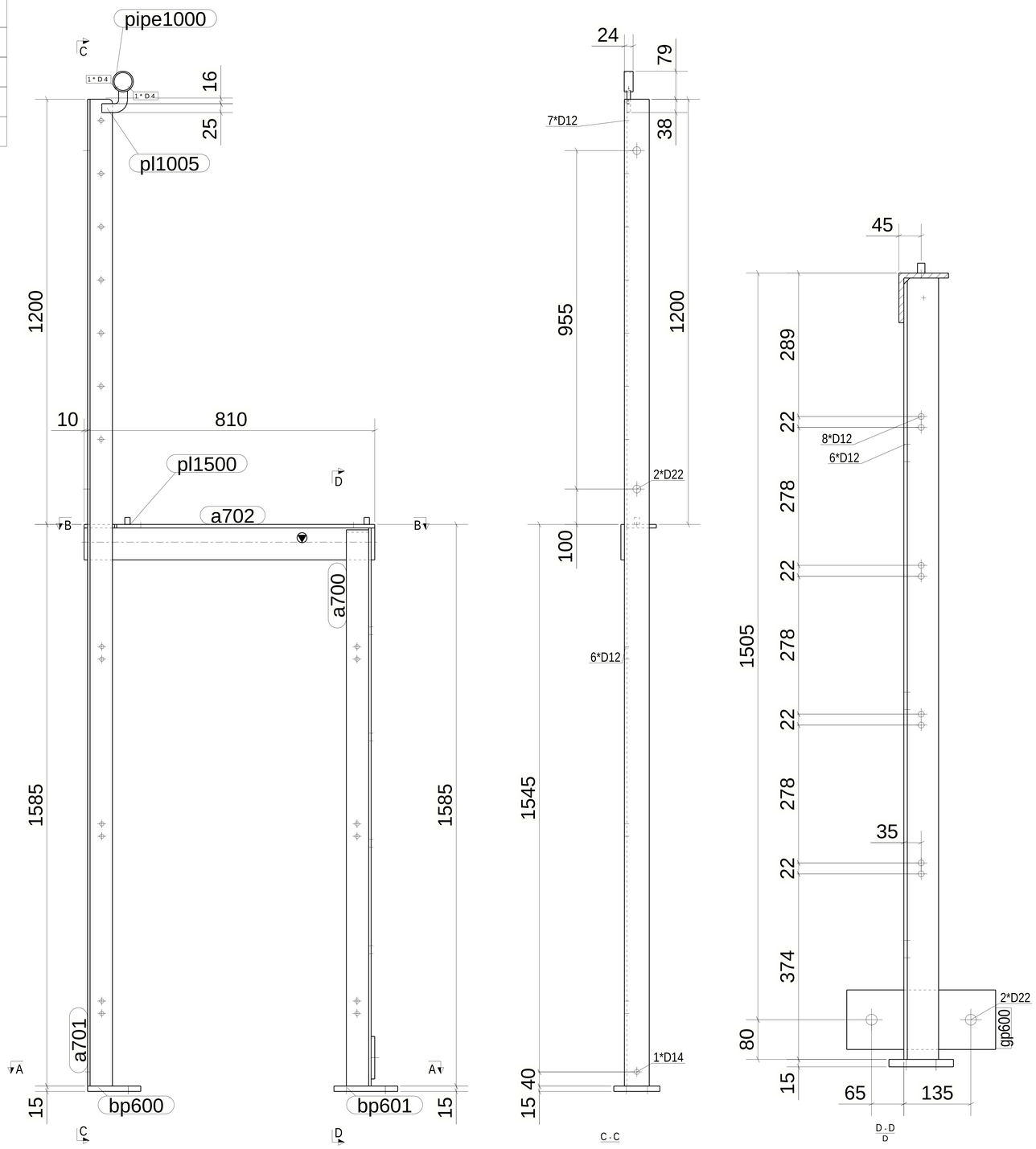
REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
FRAME : F1_TC-1

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
9 3 M	0 4 7 3	A C C	6 0 L 0 1	D W G	3 0 1 6 5	B

Tekla Structures

QTY.	Mark
1	01-51B2L-E7
1	01-51B2L-E9
1	01-51B2R-E7
1	01-51B2R-E9

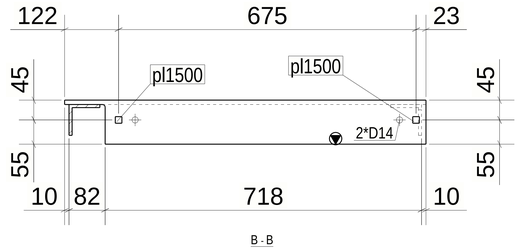


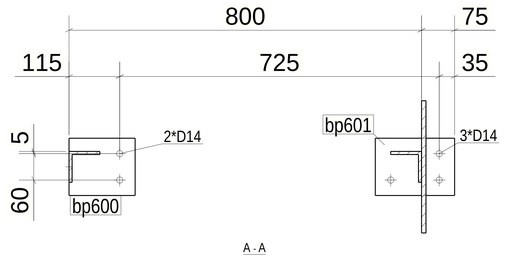
MATERIAL LIST FOR ASSEMBLY MK'D F1_TL

Mark	Profile	GRADE	No.	Length	Area	Weight
a702	L100*10	S235JR	1	820	0.32	12.36
a700	L70*7	S235JR	1	1575	0.43	11.62
a701	L70*7	S235JR	1	2785	0.76	20.55
bp600	PL15*130	S355JR	1	150	0.05	2.30
bp601	PL15*130	S355JR	1	180	0.06	2.76
gp600	PL10*300	S355JR	1	120	0.08	2.83
pipe1000	PIPE58*3.75	S235JRH	1	25	0.01	0.12
pl1005	PL10*62	S355JR	1	73	0.01	0.19
pl1500	SQ15*15	S355JR	2	20	0.00	0.04
				Total	1.71	52.79

approval is subject to approval of coordination package between multi-discipline

REVIEWED WITH COMMENT MONORAILS PROJECT





4 *REQUIRED AS DRAWN MARKED* F1_TL

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
3	
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority — Hill International Consultant — Main Contractor — Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
FRAME : F1_TL-1

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30166	B

Trimble Structures

QTY.	Mark
1	01-03B2L-E1
1	01-03B2L-E2
1	01-03B2L-E3
1	01-03B2L-E4
1	01-03B2L-E5
1	01-03B2L-E6
1	01-03B2L-E7
1	01-03B2L-E8
1	01-03B2L-E9
1	01-03B2L-E10
1	01-03B2L-E11
1	01-03B2R-E1
1	01-03B2R-E2
1	01-03B2R-E3
1	01-03B2R-E4
1	01-03B2R-E5
1	01-03B2R-E6
1	01-03B2R-E7
1	01-03B2R-E8
1	01-03B2R-E9
1	01-03B2R-E10
1	01-03B2R-E11
1	01-03B3L-E1
1	01-03B3L-E2
1	01-03B3L-E3
1	01-03B3L-E4
1	01-03B3L-E5
1	01-03B3L-E6
1	01-03B3R-E1
1	01-03B3R-E2
1	01-03B3R-E3
1	01-03B3R-E4
1	01-03B3R-E5
1	01-03B3R-E6
1	01-51B1L-E1
1	01-51B1L-E2
1	01-51B1L-E3
1	01-51B1L-E4
1	01-51B1L-E5
1	01-51B1L-E6
1	01-51B1R-E1
1	01-51B1R-E2
1	01-51B1R-E3
1	01-51B1R-E4
1	01-51B1R-E5
1	01-51B1R-E6
1	01-51B2L-E1
1	01-51B2L-E2
1	01-51B2L-E3
1	01-51B2L-E4
1	01-51B2L-E5
1	01-51B2R-E1
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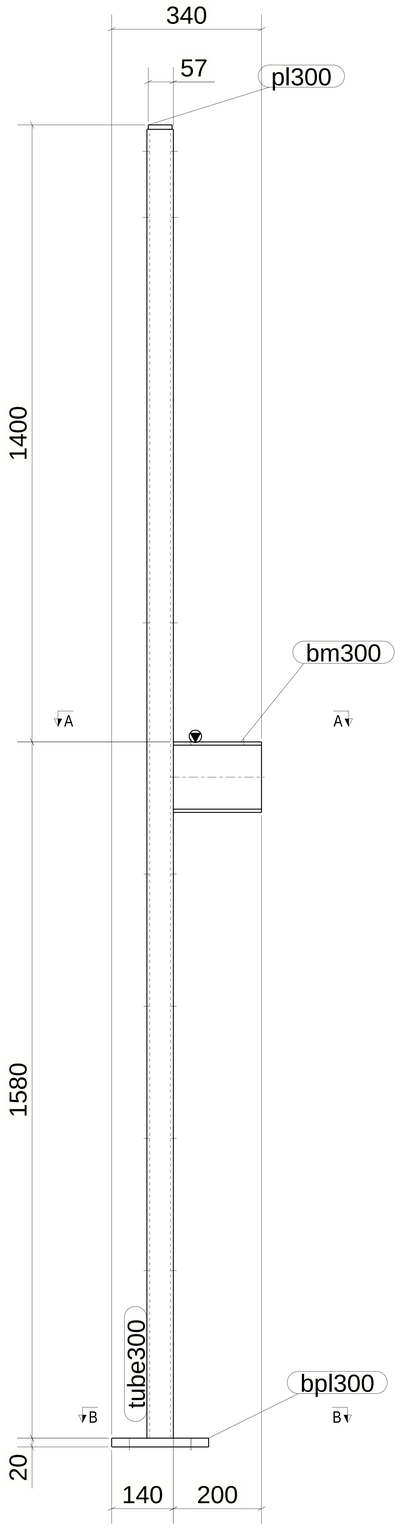
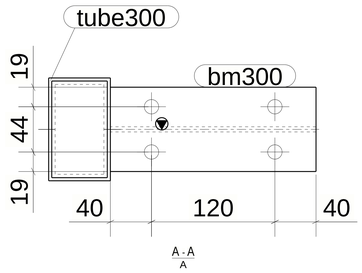


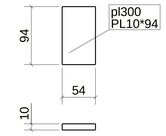
approval is subject to approval of coordination package between multi-discipline

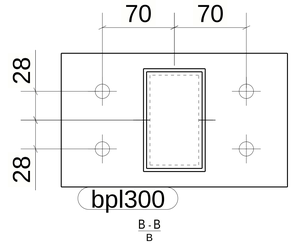
REVIEWED WITH COMMENT
MONORAILS PROJECT

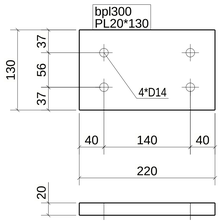
MATERIAL LIST FOR ASSEMBLY MK'DF3

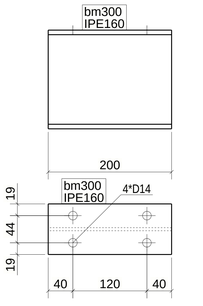
Mark	Profile	GRADE	No.	Length	Area	Weight
bm300	IPE160	S355JR	1	200	0.12	3.16
bpl300	PL20*130	S355JR	1	220	0.07	4.49
pl300	PL10*94	S355JR	1	54	0.01	0.40
tube300	RHS100*60*6.3	S235JRH	1	2970	0.92	42.17
				Total	1.13	50.22











56 *REQUIRED AS DRAWN MARKED* F3

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
3	
4	
5	
6	
7	
8	
9	

6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority — Hill International Consultant — Main Contractor — Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

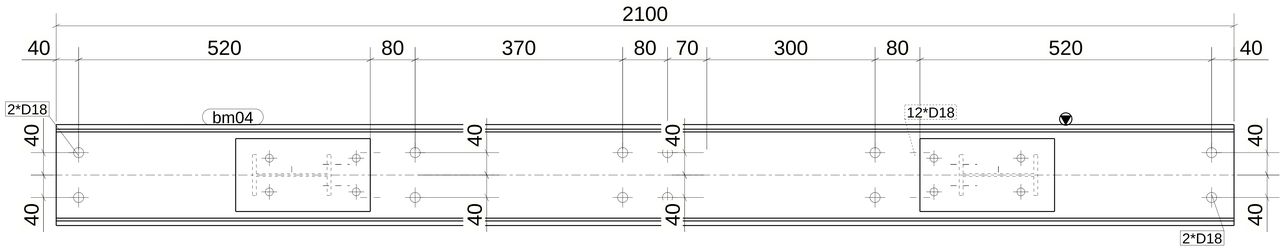
REV.	DATE	DSG.	CHK.	APP.	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

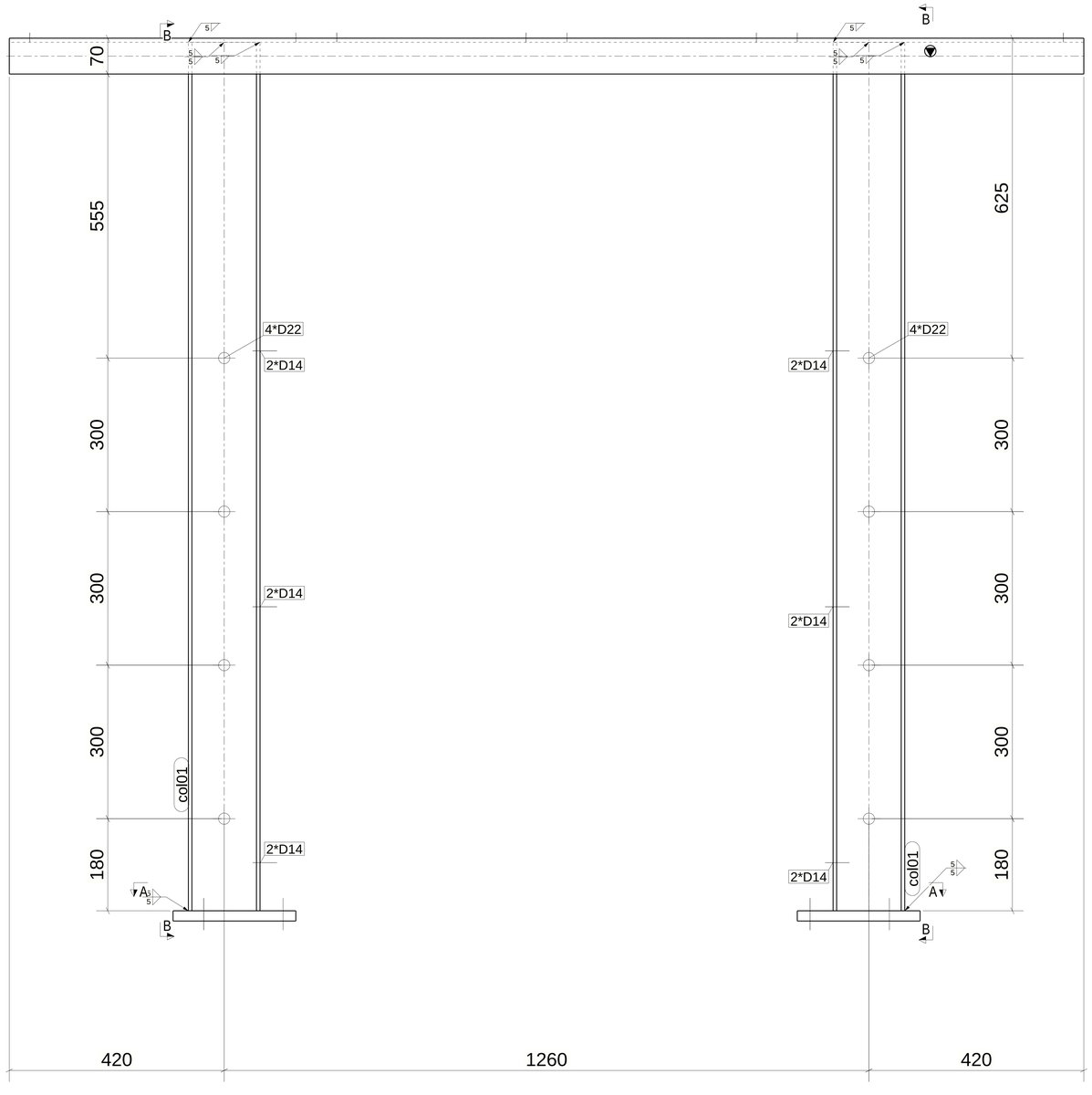
DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
FRAME : F3-1

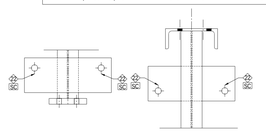
Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
9 3 M	0 4 7 3	A C C	6 0 L	0 1 D	W G 3 0 1 6 7	B

Data Structures

QTY.	Mark
1	01-03B2-S01
1	01-03B2-S02
1	01-03B2-S06
1	01-03B2-S10
1	01-03B2-S11
1	01-03B3-S01
1	01-03B3-S02



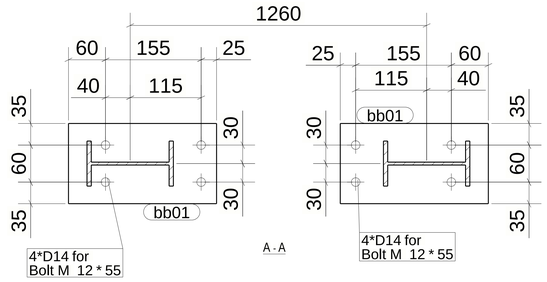




SC SLIP-CRITICAL CONNECTIONS DENOTE CLASS C FAYING SURFACE. NO PAINT (NS/FS) 3" ALL AROUND OPEN HOLES

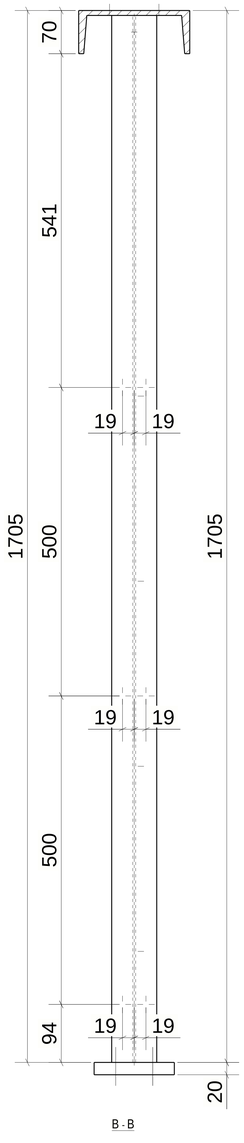
MATERIAL LIST FOR ASSEMBLY MK'D D_P1

Mark	Profile	GRADE	No.	Length	Area	Weight
bm04	UPN180	S235JR	1	2100	1.28	46.20
bb01	PL20*130	S355JR	2	240	0.08	4.90
col01	IPE140	S355JR	2	1697	0.94	21.85
				Total	3.31	99.69



approval is subject to approval of coordination package between multi-discipline

REVIEWED WITH COMMENT MONORAILS PROJECT



7 REQUIRED AS DRAWN MARKED D_P1

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
3	
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority — Hill International (Consultant) — ORASCOM / BOMBARDIER (Main Contractor) — INNOVA TRANSPORTATION (Structural Designer)

KEY PLAN:

REV.	DATE	DSG.	CHK.	APP.	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

SCALE: AS SHOWN | SHOPDRAWING | DATE: 28.04.2024

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
FRAME : FR-1

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	047	3ACC	60L01	DWG	30168	B

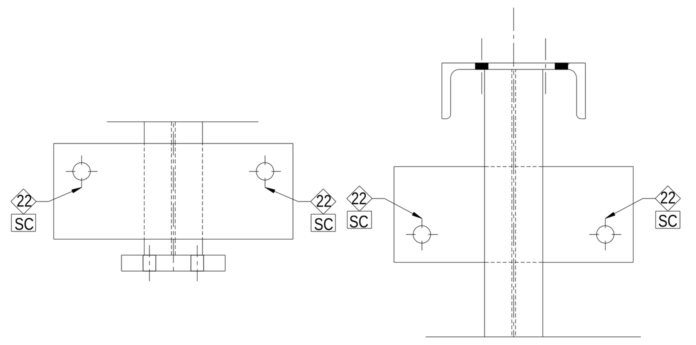
Hill International

QTY.	Mark
1	01-03B2-S03
1	01-03B2-S05
1	01-03B2-S07
1	01-03B2-S09
1	01-03B3-S03
1	01-03B3-S05

approval is subject to approval of coordination package between multi-discipline

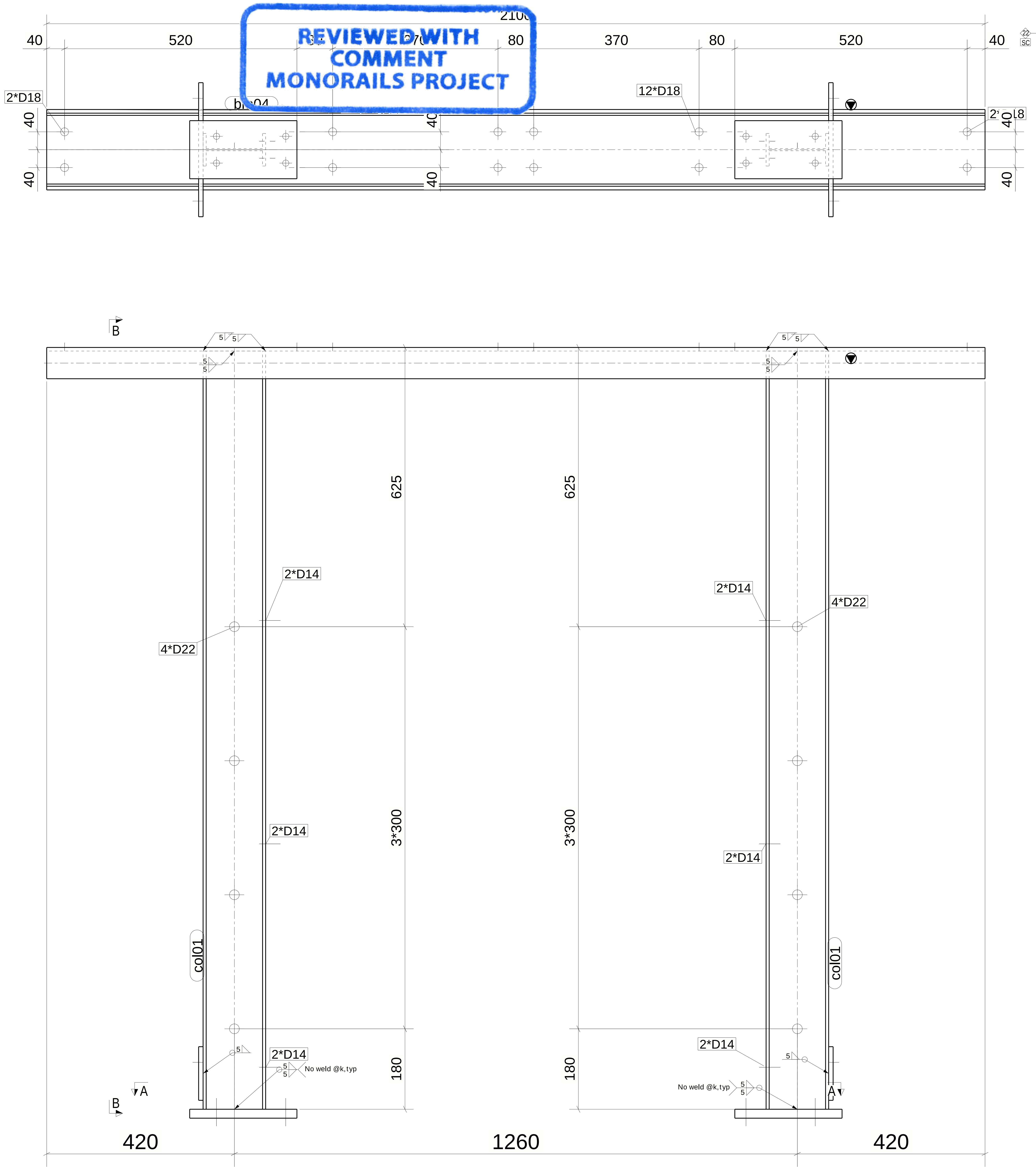
REVIEWED WITH COMMENT MONORAILS PROJECT

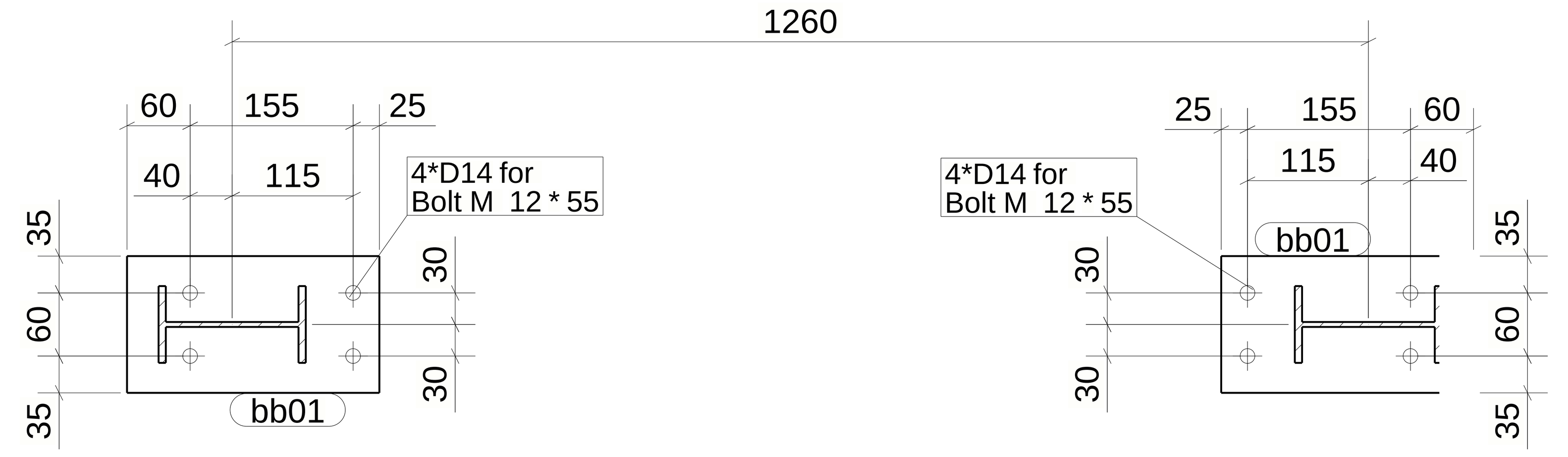
SC SLIP-CRITICAL CONNECTIONS DENOTE CLASS C FAYING SURFACE. NO PAINT (NS/FS) 3" ALL AROUND OPEN HOLES

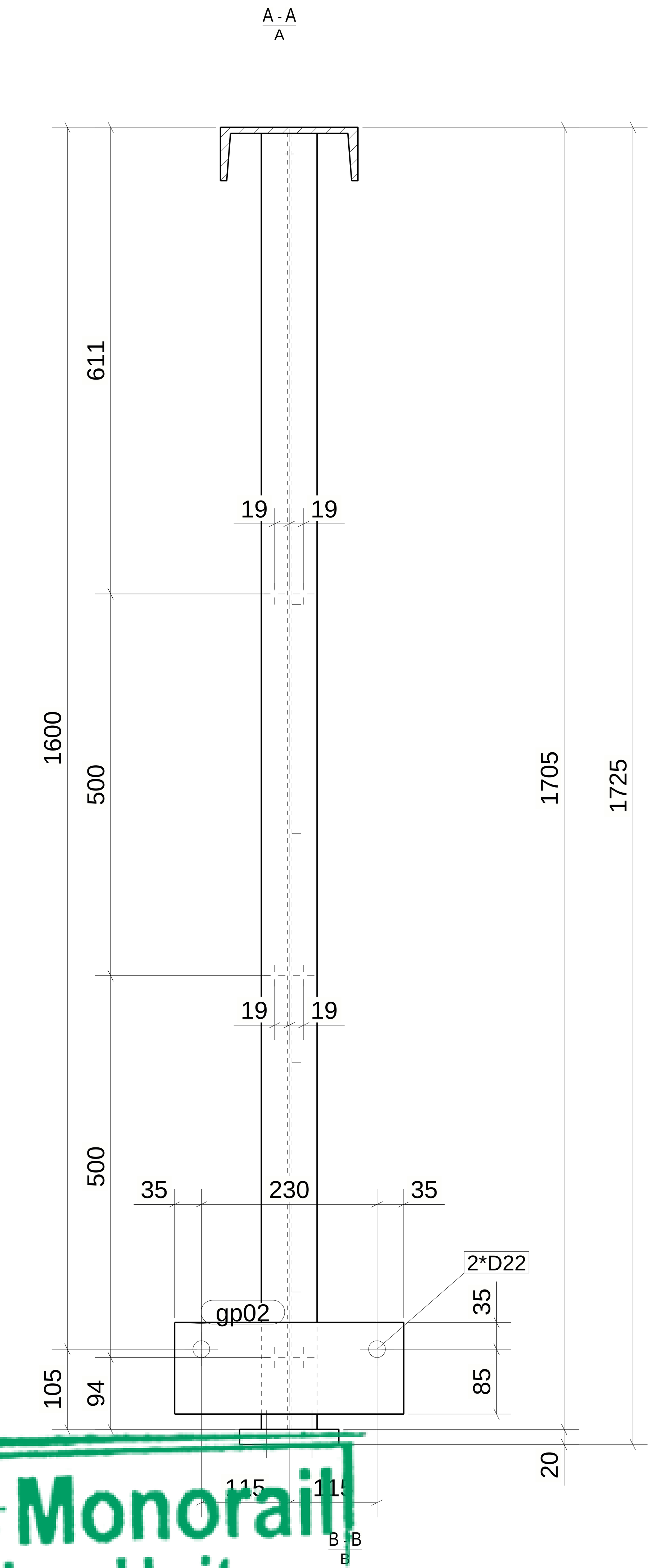


MATERIAL LIST FOR ASSEMBLY MK'D D_P1_TL

Mark	Profile	GRADE	No.	Length	Area	Weight
bm04	UPN180	S235JR	1	2100	1.28	46.20
bb01	PL20*130	S355JR	2	240	0.08	4.90
col01	IPE140	S355JR	2	1697	0.94	21.85
gp02	PL10*120	S355JR	2	300	0.08	2.83
				Total	3.47	105.34







6 *REQUIRED AS DRAWN MARKED* D_P1_TL

6 October Monorail Engineering Unit Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
3	
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8	
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority

Hill International

Consultant

Main Contractor

Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG.	CHK.	APP.	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE

6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
FRAME : FR-2

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
9 3 M	0 4 7 3	A C C	6 0 L 0 1	D W G	3 0 1 6 9	B

QTY.	Mark
1	01-03B2-S04
1	01-03B2-S08
1	01-03B3-S04

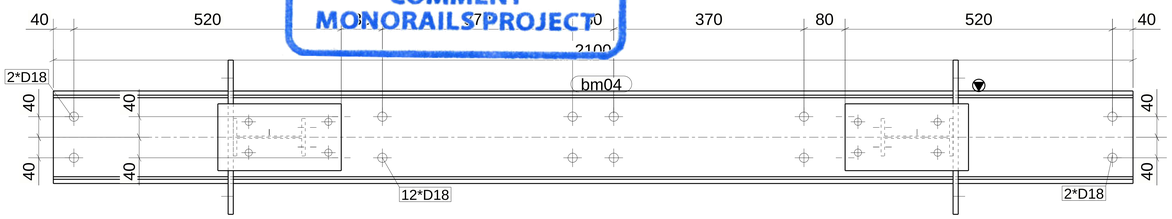
approval is subject to approval of coordination package between multi-discipline

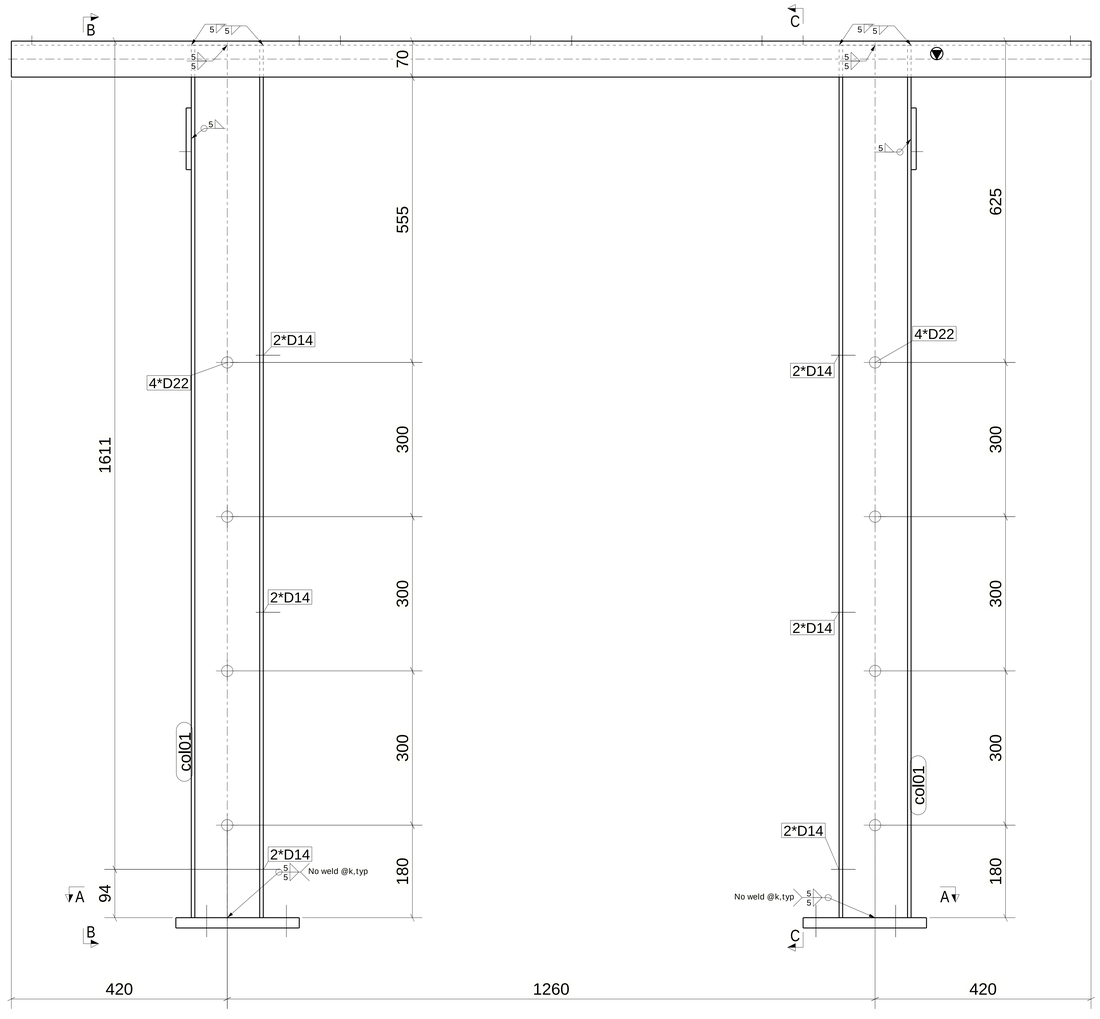
REVIEWED WITH COMMENT MONORAILS PROJECT

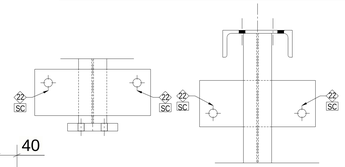
SC SLIP-CRITICAL CONNECTIONS DENOTE CLASS C FAYING SURFACE. NO PAINT (NS/FS) 3" ALL AROUND OPEN HOLES

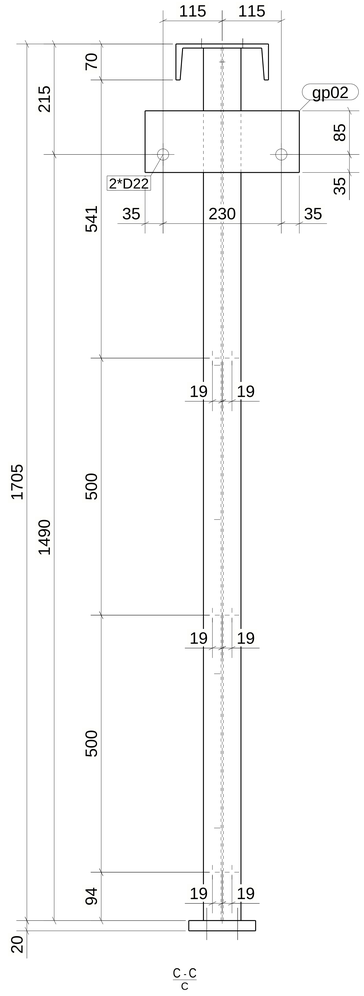
MATERIAL LIST FOR ASSEMBLY MK'D D_P1_TC

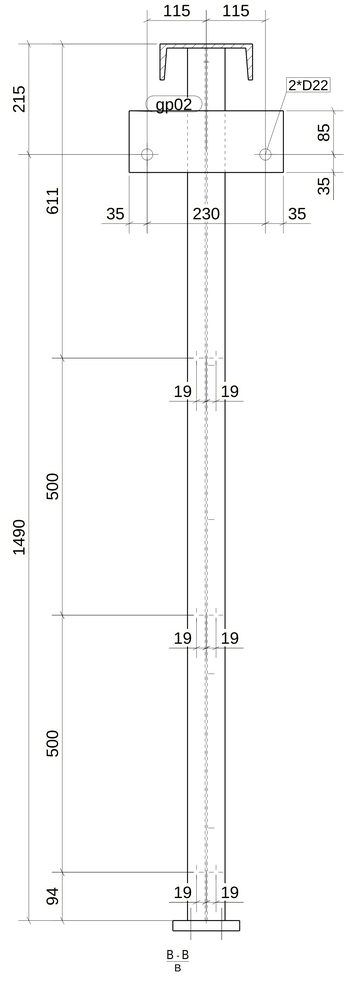
Mark	Profile	GRADE	No.	Length	Area	Weight
bm04	UPN180	S235JR	1	2100	1.28	46.20
bb01	PL20*130	S355JR	2	240	0.08	4.90
col01	IPE140	S355JR	2	1697	0.94	21.85
gp02	PL10*120	S355JR	2	300	0.08	2.83
				Total	3.47	105.34

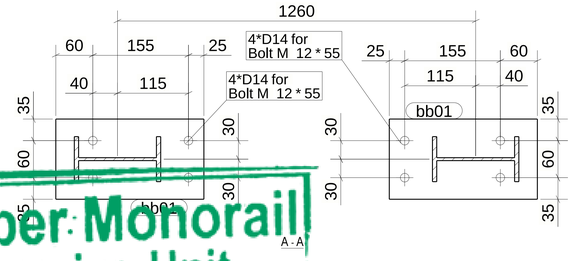












3 *REQUIRED AS DRAWN MARKED* D_P1_TC

6 October Monorail Engineering Unit Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
3	
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority — Hill International Consultant — ORASCOM BOMBARDIER Main Contractor — INNOVA TRANSPORTATION Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

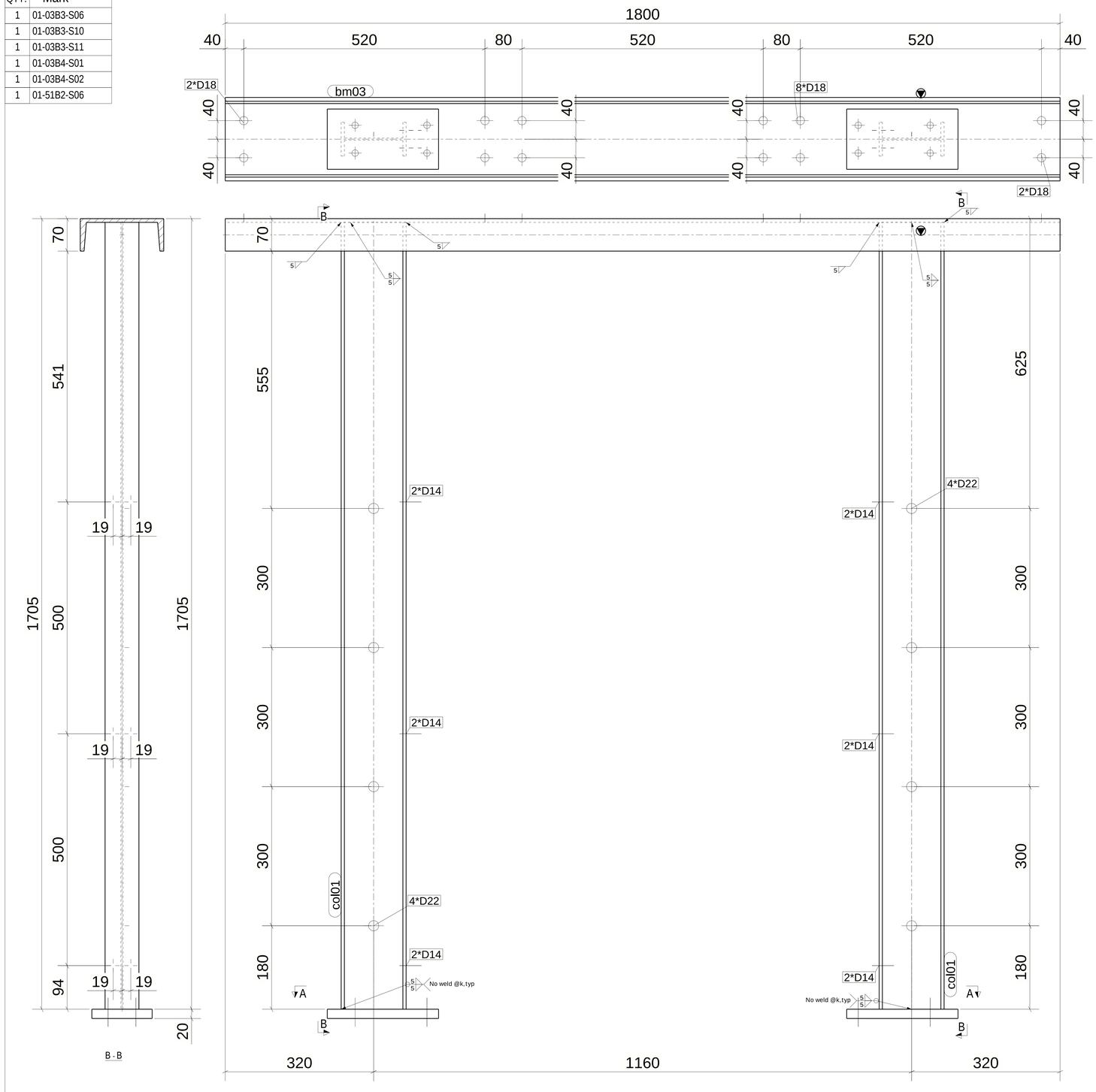
REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
FRAME : FR-3

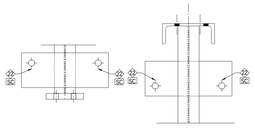
Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
9 3 M	0 4 7 3	A C C	6 0 L 0 1	D W G	3 0 1 7 0	B

Tekla Structures

QTY.	Mark
1	01-03B3-S06
1	01-03B3-S10
1	01-03B3-S11
1	01-03B4-S01
1	01-03B4-S02
1	01-51B2-S06

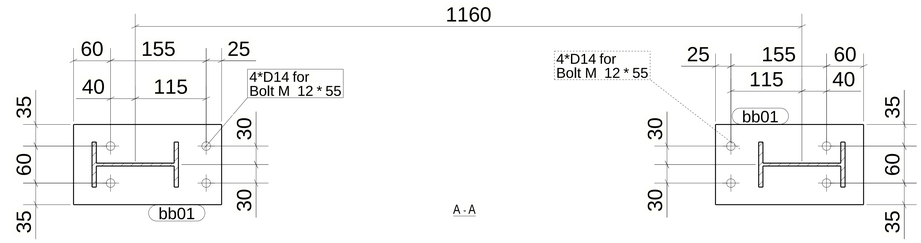


SC SLIP-CRITICAL CONNECTIONS DENOTE CLASS C FAYING SURFACE. NO PAINT (NS/FS) 3" ALL AROUND OPEN HOLES



MATERIAL LIST FOR ASSEMBLY MK'DC_P1

Mark	Profile	GRADE	No.	Length	Area	Weight
bm03	UPN180	S235JR	1	1800	1.10	39.60
bb01	PL20*130	S355JR	2	240	0.08	4.90
col01	IPE140	S355JR	2	1697	0.94	21.85
				Total	3.12	93.09



approval is subject to approval of coordination package between multi-discipline

REVIEWED WITH COMMENT MONORAILS PROJECT

6 *REQUIRED AS DRAWN MARKED* C_P1

6 October Monorail Engineering Unit Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
3	
4	
5	
6	
7	
8	
9	

6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Hill International Consultant | ORASCOM BOMBARDIER Main Contractor | INNOVA TRANSPORTATION Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

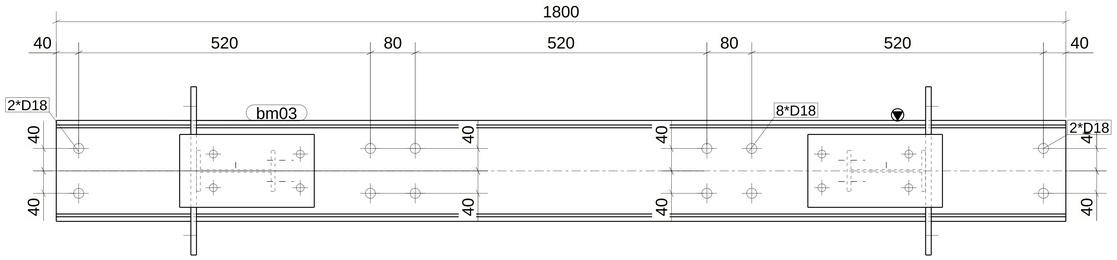
REV	DATE	DSG.	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

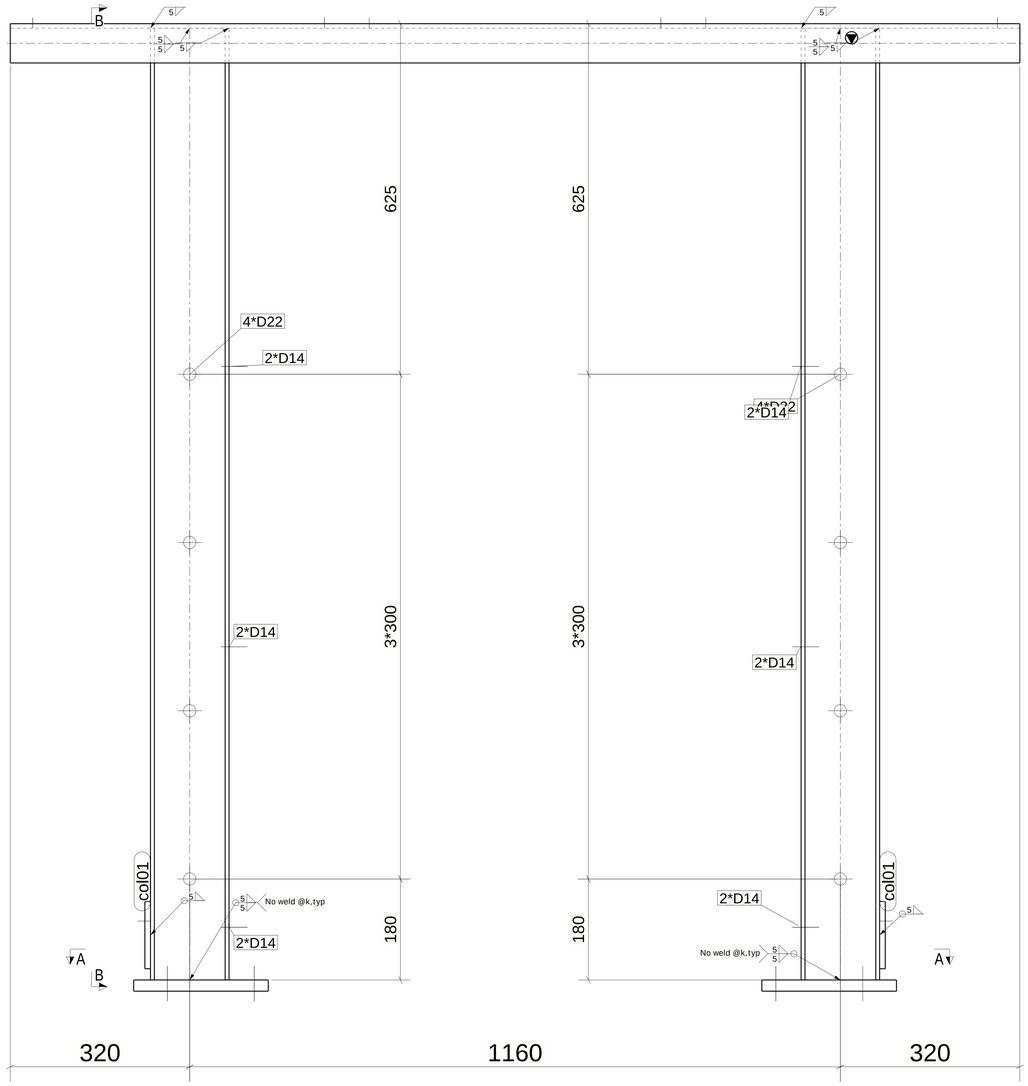
DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
FRAME : FR-4

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
9 3 M	0 4 7 3	A C C	6 0 L 0 1	D W G	3 0 1 7 1	B

Tekla Structures

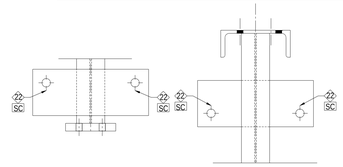
QTY.	Mark
1	01-03B3-S07
1	01-03B3-S09
1	01-51B2-S03
1	01-51B2-S05
1	01-51B2-S07
1	01-51B2-S09





6 *REQUIRED AS DRAWN MARKED* C_P1_TL

SC SLIP-CRITICAL CONNECTIONS DENOTE CLASS C FAYING SURFACE. NO PAINT (NS/FS) 3" ALL AROUND OPEN HOLES

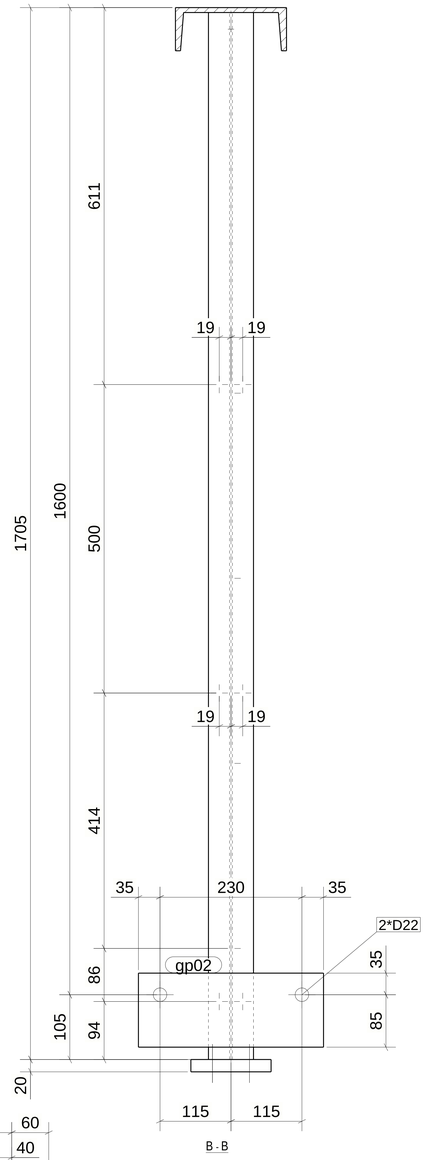


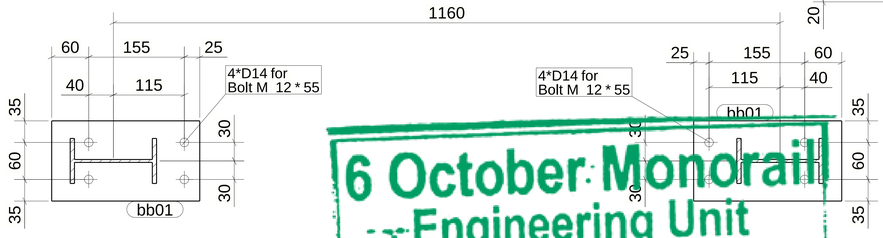
MATERIAL LIST FOR ASSEMBLY MK'D C_P1_TL

Mark	Profile	GRADE	No.	Length	Area	Weight
bm03	UPN180	S235JR	1	1800	1.10	39.60
bb01	PL20*130	S355JR	2	240	0.08	4.90
col01	IPE140	S355JR	2	1697	0.94	21.85
gp02	PL10*120	S355JR	2	300	0.08	2.83
				Total	3.28	98.74

approval is subject to approval of coordination package between multi-discipline

REVIEWED WITH COMMENT MONORAILS PROJECT





6 October Monorail Engineering Unit Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority — Hill International Consultant — ORASCOM BOMBARDIER Main Contractor — INNOVA Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

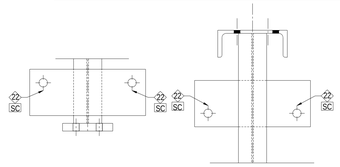
DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
FRAME : FR-6

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
9 3 M	0 4 7 3	A C C	6 0 L 0 1	D W G	3 0 1 7 2	B

Tekla Structures

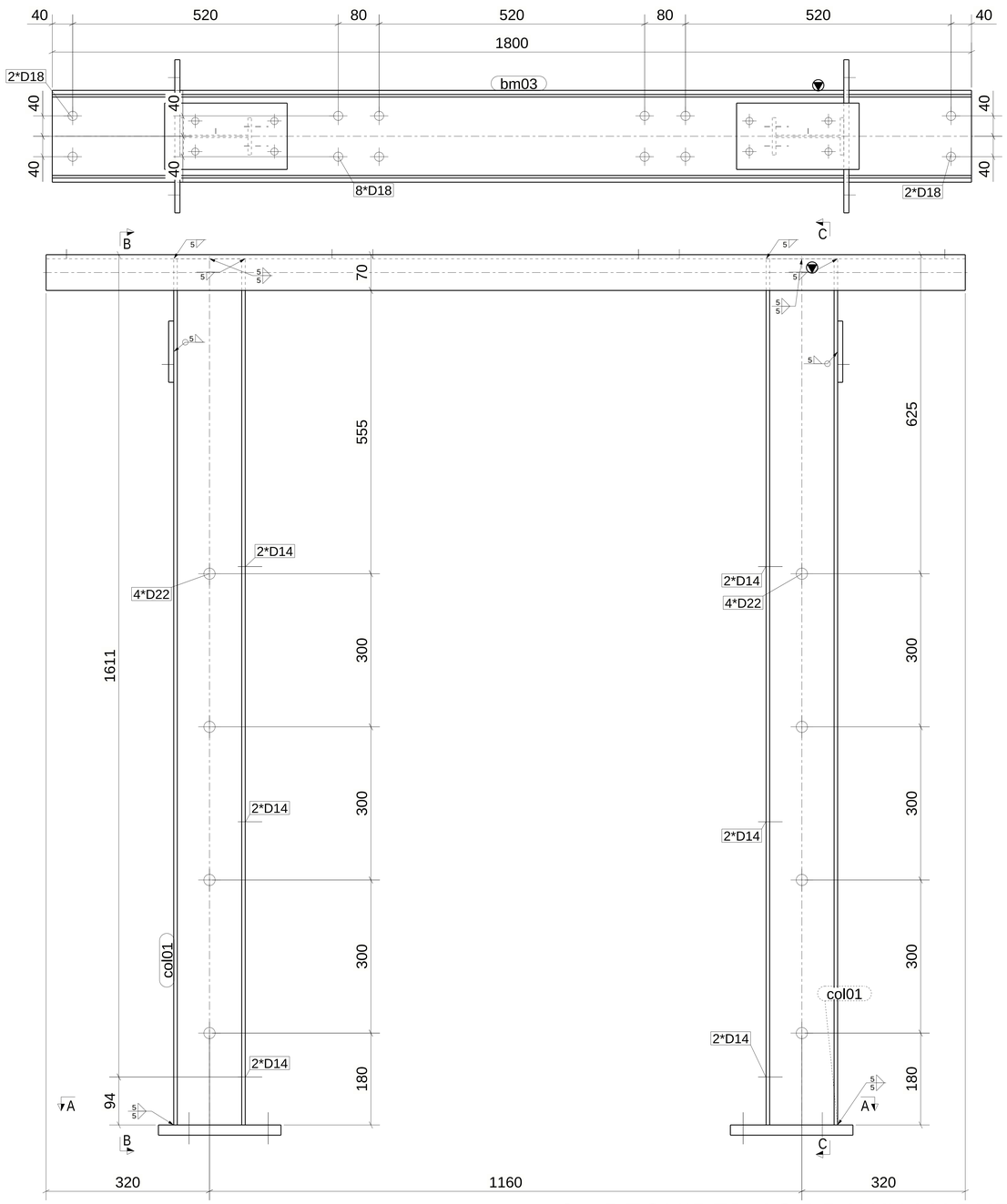
QTY.	Mark
1	01-03B3-S08
1	01-51B2-S04
1	01-51B2-S08

SC SLIP-CRITICAL CONNECTIONS DENOTE CLASS C FAYING SURFACE. NO PAINT (NS/FS) 3" ALL AROUND OPEN HOLES



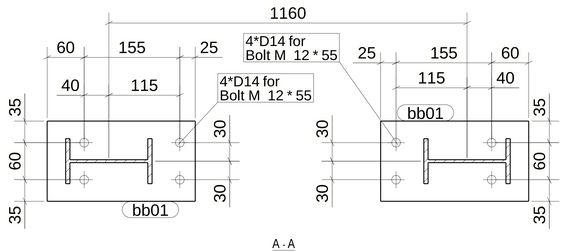
MATERIAL LIST FOR ASSEMBLY MK'D C_P1_TC

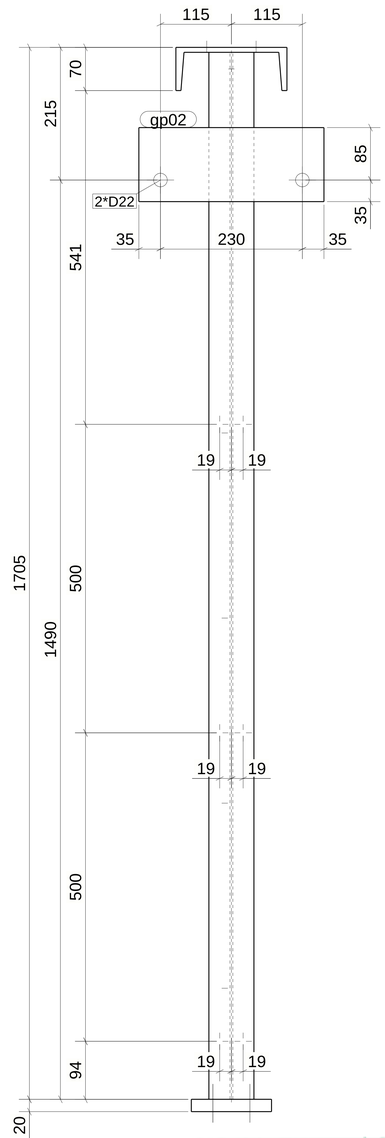
Mark	Profile	GRADE	No.	Length	Area	Weight
bm03	UPN180	S235JR	1	1800	1.10	39.60
bb01	PL20*130	S355JR	2	240	0.08	4.90
col01	IPE140	S355JR	2	1697	0.94	21.85
gp02	PL10*120	S355JR	2	300	0.08	2.83
				Total	3.28	98.74

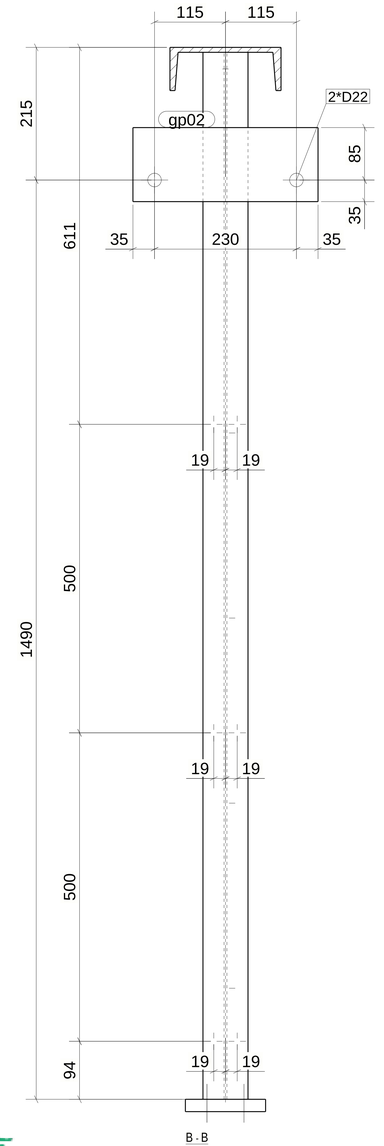


approval is subject to approval of coordination package between multi-discipline

REVIEWED WITH COMMENT MONORAILS PROJECT







3 REQUIRED AS DRAWN MARKED C_P1_TC

6 October Monorail Engineering Unit Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
3	
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Hill International Consultant | ORASCOM BOMBARDIER Main Contractor | INNOVA Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

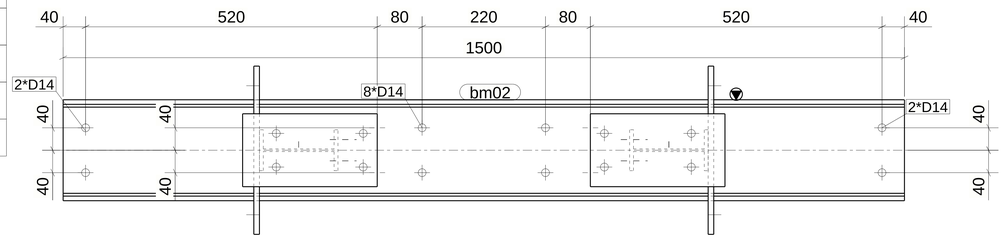
REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
FRAME : FR-7

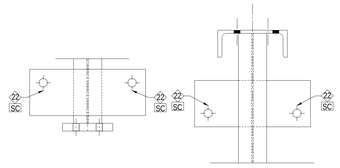
Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
9 3 M	0 4 7 3	A C C	6 0 L 0 1	D W G	3 0 1 7 3	B

Tekla Structures

QTY.	Mark
1	01-03B4-S04
1	01-03B4-S06
1	01-51B1-S04
1	01-51B1-S06



SC SLIP-CRITICAL CONNECTIONS DENOTE CLASS C FAYING SURFACE. NO PAINT (NS/FS) 3" ALL AROUND OPEN HOLES

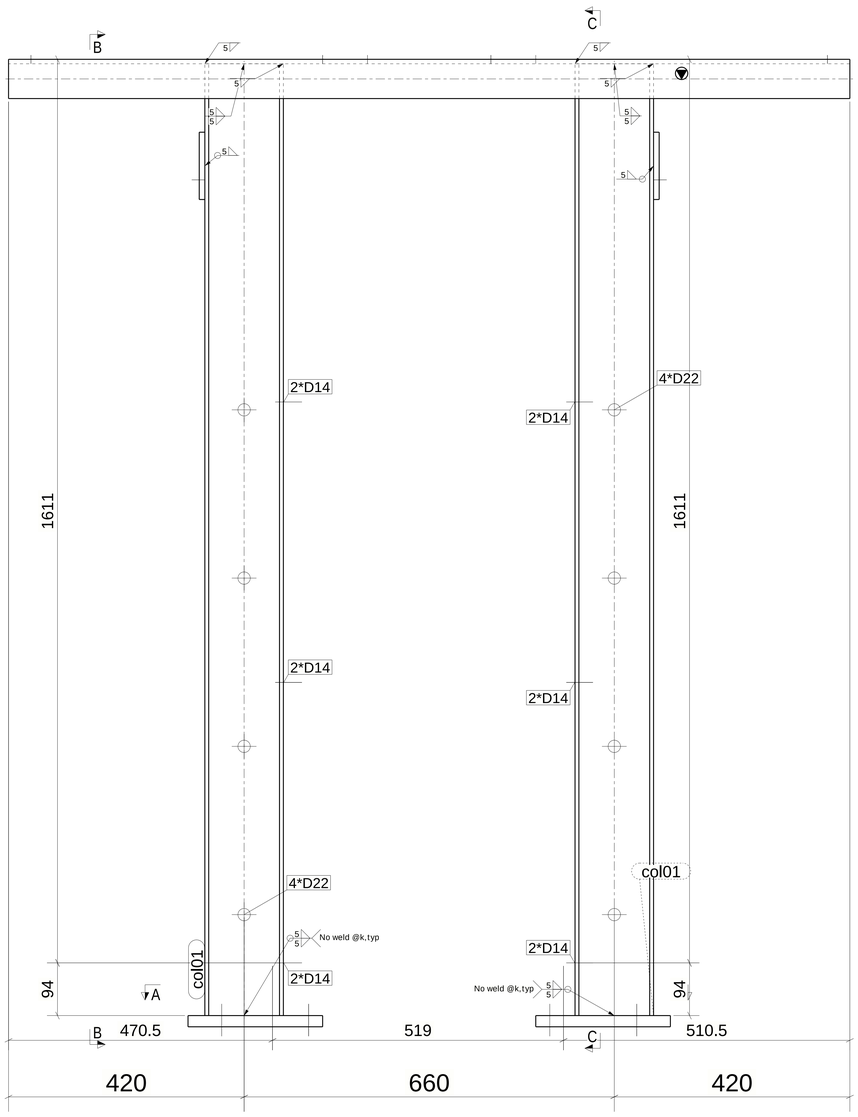


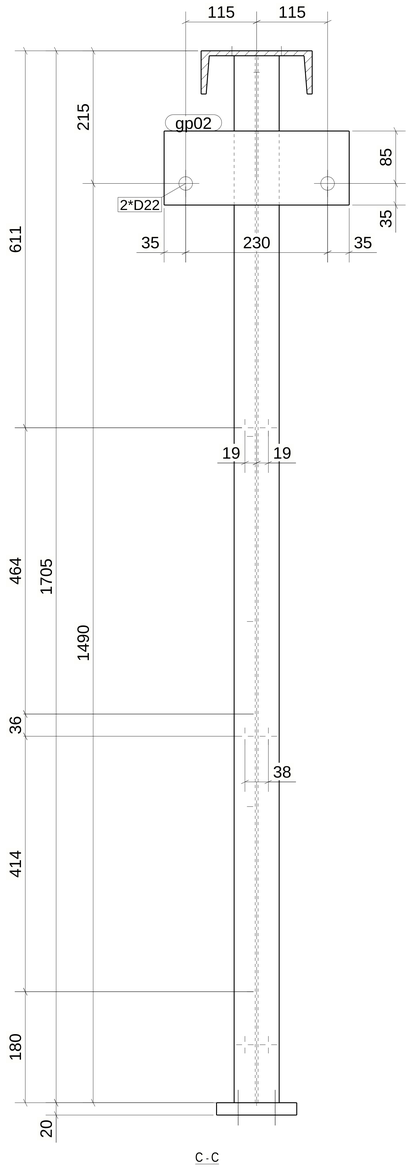
MATERIAL LIST FOR ASSEMBLY MK'DB_P1_TC

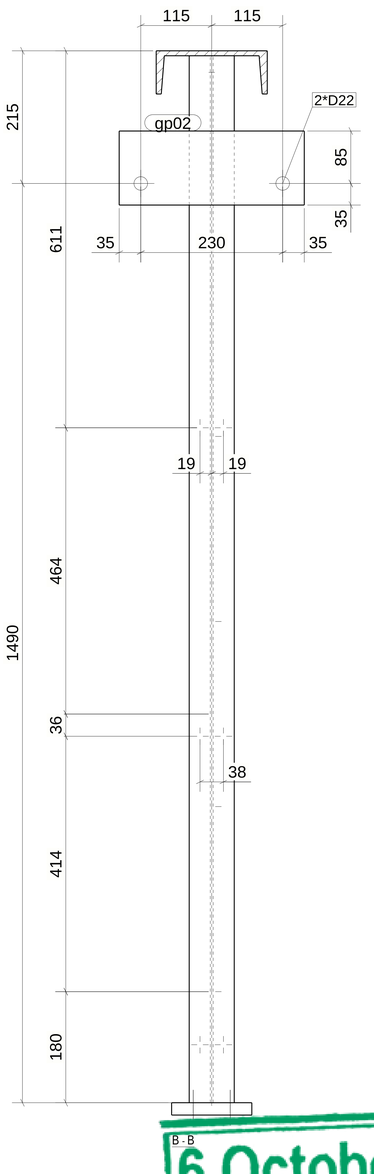
Mark	Profile	GRADE	No.	Length	Area	Weight
bm02	UPN180	S235JR	1	1500	0.92	33.00
bb01	PL20*130	S355JR	2	240	0.08	4.90
col01	IPE140	S355JR	2	1697	0.94	21.85
gp02	PL10*120	S355JR	2	300	0.08	2.83
				Total	3.10	92.14

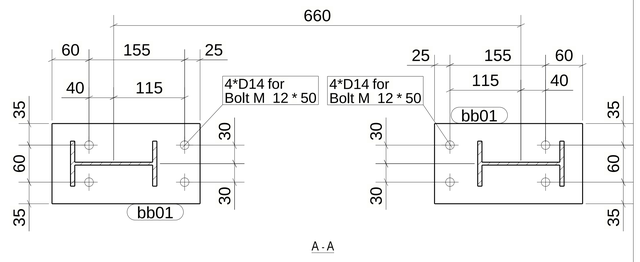
approval is subject to approval of coordination package between multi-discipline

REVIEWED WITH COMMENT MONORAILS PROJECT









4 *REQUIRED AS DRAWN MARKED* B_P1_TC

6 October Monorail Engineering Unit Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
3	
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Consultant: Hill International | Main Contractor: ORASCOM CONSTRUCTION, BOMBARDIER, The Arab Contractors | Structural Designer: INNOVA TRANSPORTATION

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

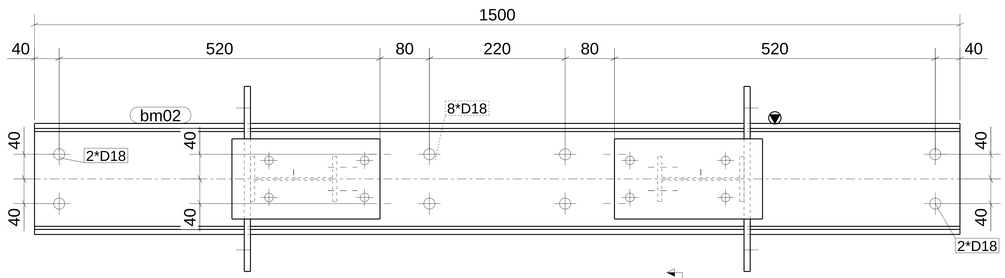
REV.	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

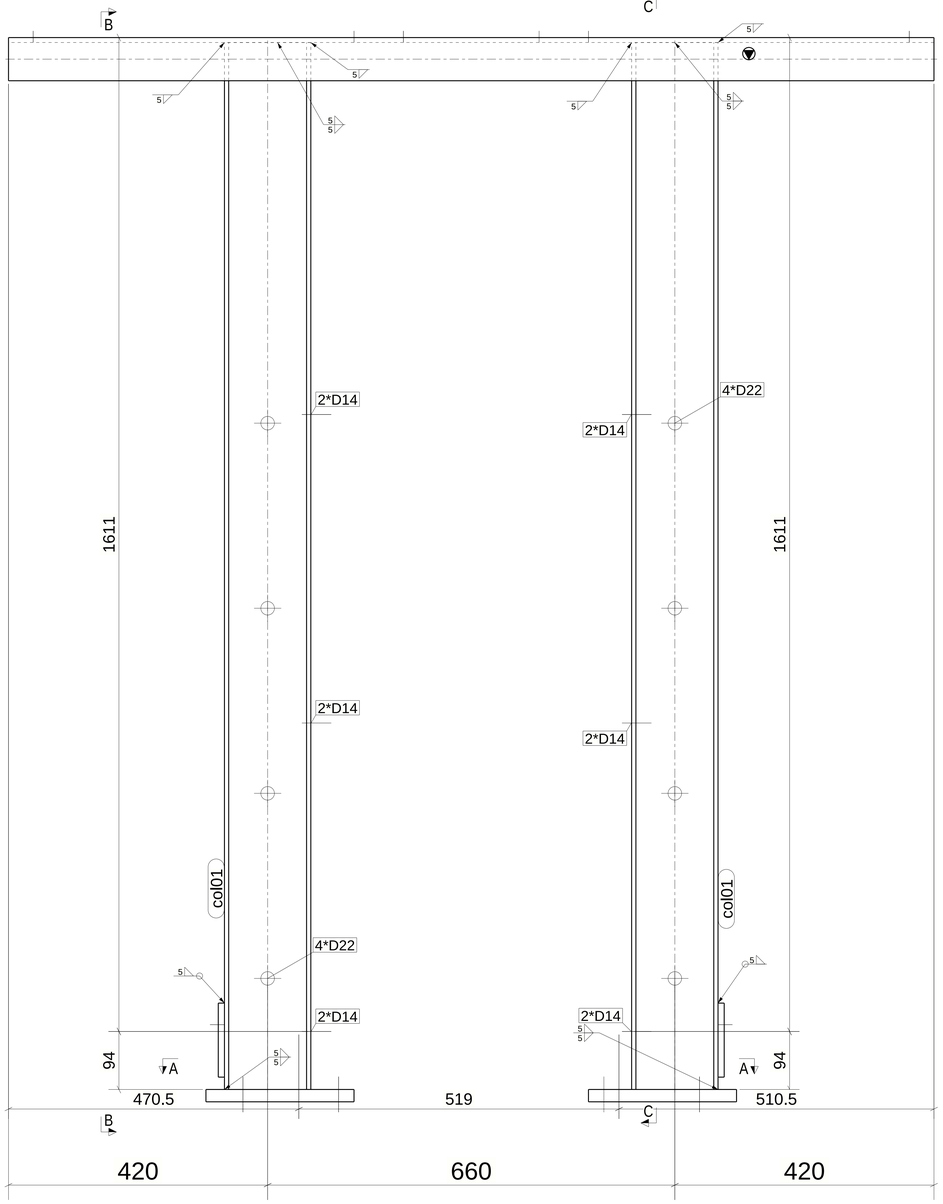
DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
FRAME : FR-10

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	047	3ACC	60L01	DWG	30174	B

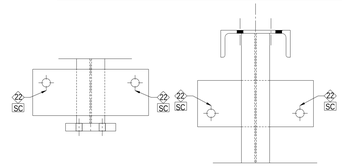
Delta Structures

QTY.	Mark
1	01-03B4-S03
1	01-03B4-S05
1	01-03B4-S07
1	01-51B1-S03
1	01-51B1-S05
1	01-51B1-S07





SC SLIP-CRITICAL CONNECTIONS DENOTE CLASS C FAYING SURFACE. NO PAINT (NS/FS) 3" ALL AROUND OPEN HOLES

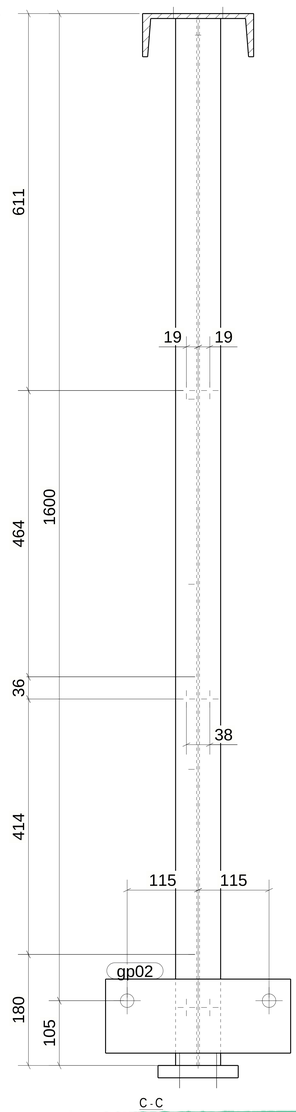


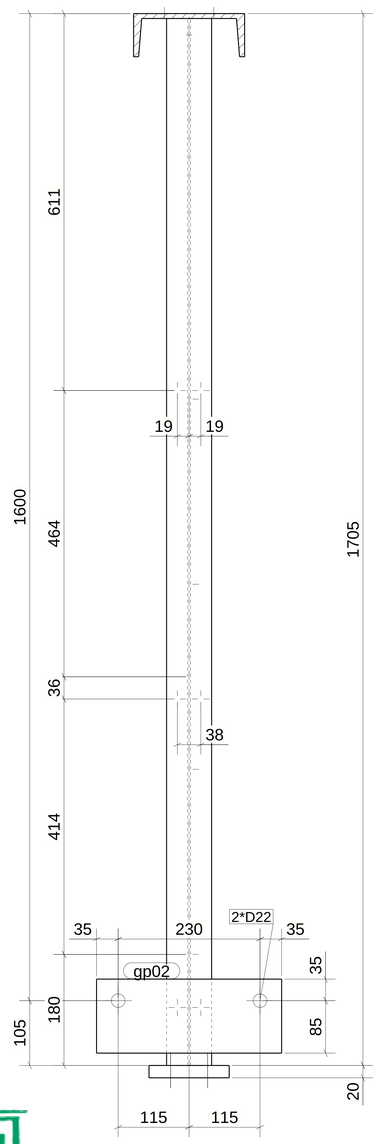
MATERIAL LIST FOR ASSEMBLY MK'D B_P1_TL

Mark	Profile	GRADE	No.	Length	Area	Weight
bm02	UPN180	S235JR	1	1500	0.92	33.00
bb01	PL20*130	S355JR	2	240	0.08	4.90
col01	IPE140	S355JR	2	1697	0.94	21.85
gp02	PL10*120	S355JR	2	300	0.08	2.83
				Total	3.10	92.14

approval is subject to approval of coordination package between multi-discipline

REVIEWED WITH COMMENT MONORAILS PROJECT





6 REQUIRED AS DRAWN MARKED B_P1_TL

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Consultant: Hill International | Main Contractor: ORASCOM CONSTRUCTION / BOMBARDIER | Structural Designer: INNOVA INFRASTRUCTURE

KEY PLAN:

6 October Monorail Engineering Unit Valid For Construction

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

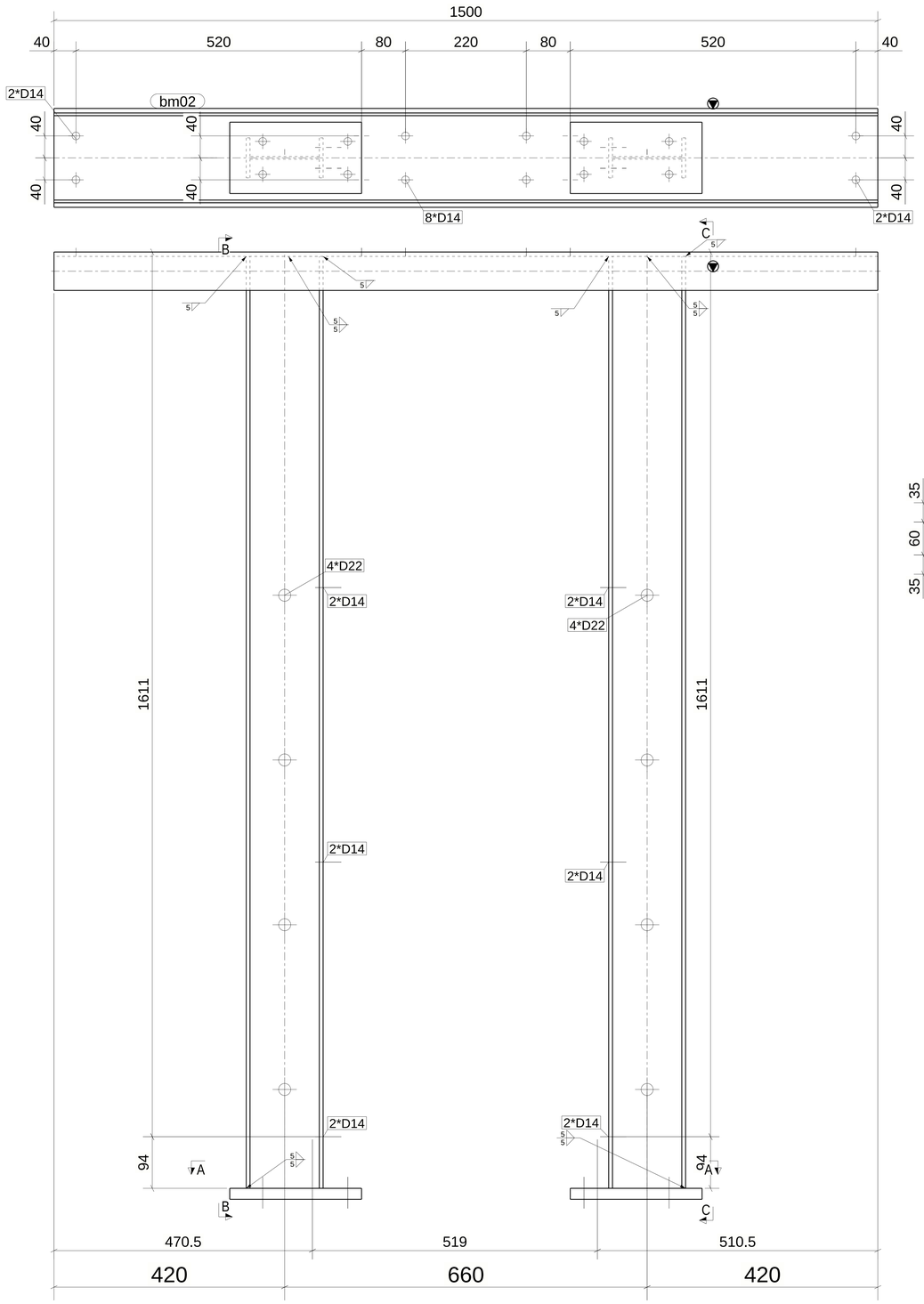
REV.	DATE	DSG.	CHK.	APP.	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
FRAME : FR-11

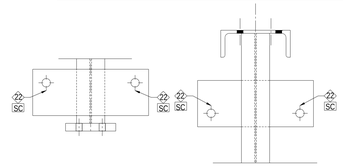
Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
9 3 M	0 4 7 3	A C C	6 0 L 0 1	D W G	3 0 1 7 5	B

Trimble Scheduling

QTY.	Mark
1	01-03B4-S08
1	01-03B4-S09
1	01-51B1-S08
1	01-51B1-S09
1	01-51B2-S01
1	01-51B2-S02

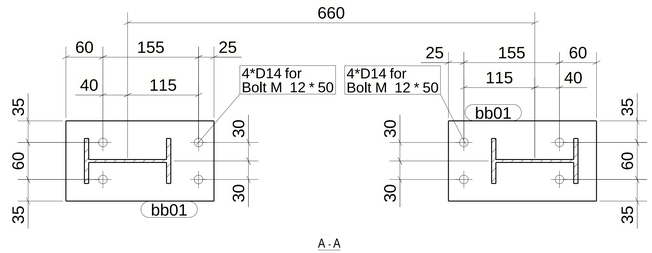


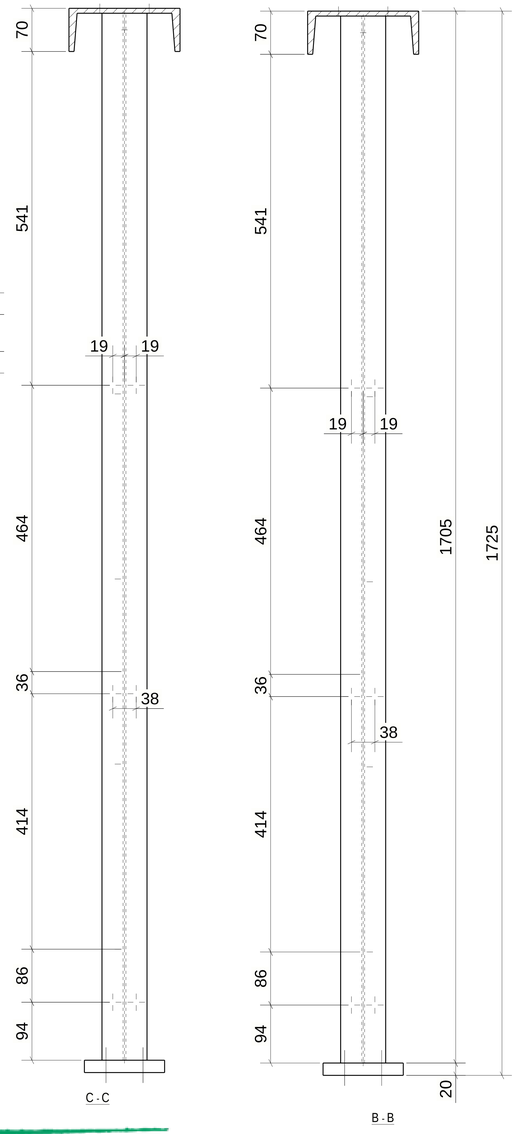
SC SLIP-CRITICAL CONNECTIONS DENOTE CLASS C FAYING SURFACE. NO PAINT (NS/FS) 3" ALL AROUND OPEN HOLES



MATERIAL LIST FOR ASSEMBLY MK'D B_P1

Mark	Profile	GRADE	No.	Length	Area	Weight
bm02	UPN180	S235JR	1	1500	0.92	33.00
bb01	PL20*130	S355JR	2	240	0.08	4.90
col01	IPE140	S355JR	2	1697	0.94	21.85
				Total	2.94	86.49





approval is subject to approval of coordination package between multi-discipline

REVIEWED WITH COMMENT MONORAILS PROJECT

6 October Monorail Engineering Unit Valid For Construction

6 *REQUIRED AS DRAWN MARKED* B_P1

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
3	
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Hill International Consultant | ORASCOM BOMBARDIER Main Contractor | INNOVA TRANSPORTATION Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE

6TH OF OCTOBER MONORAIL

SHOP DRAWING FOR LINE SEGMENT (L01)

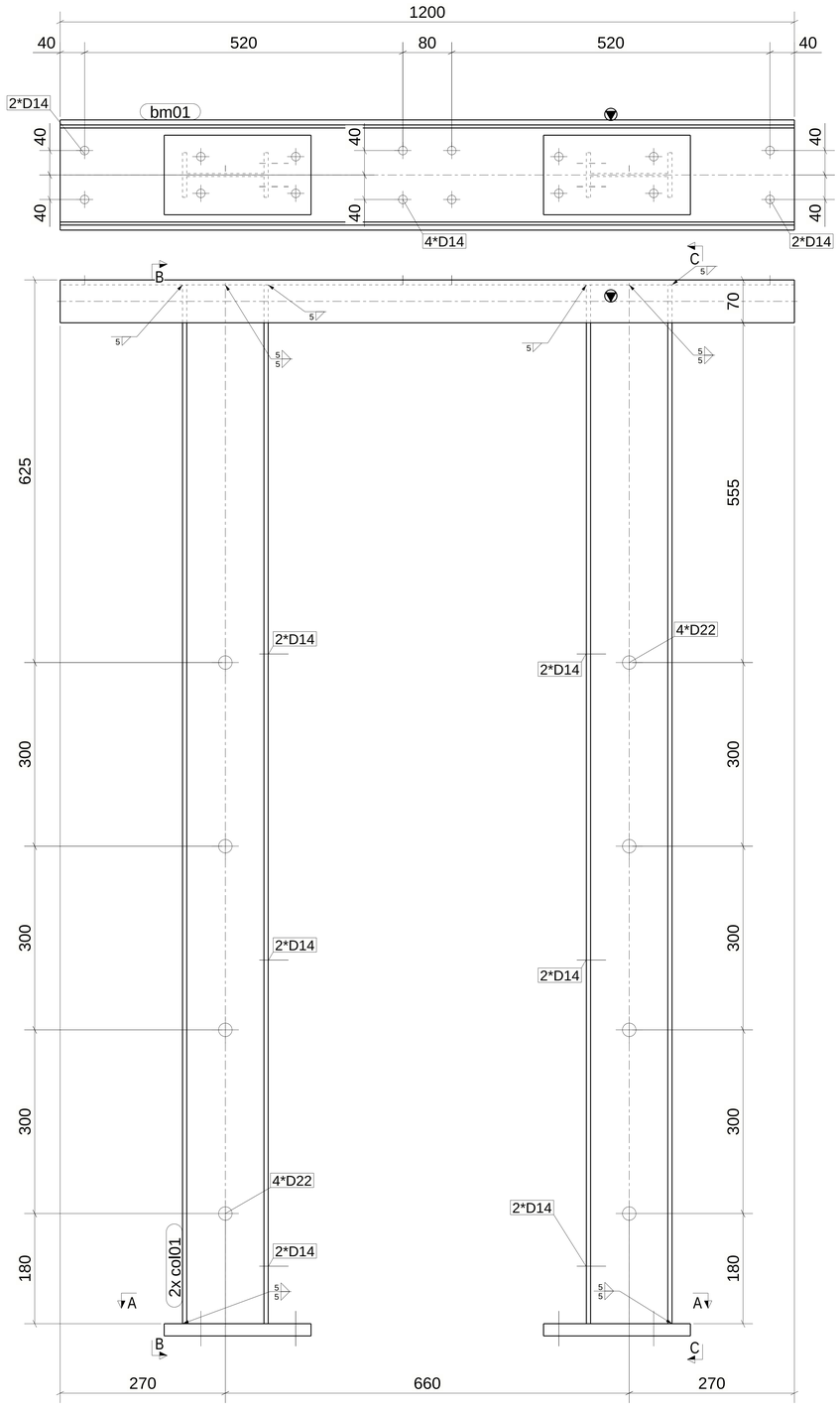
CANTILEVER

FRAME : FR-13

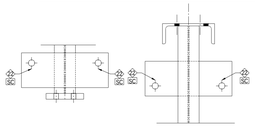
Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
9 3 M	0 4 7 3	A C C	6 0 L 0 1	D W G	3 0 1 7 6	B

Tekla Structures

QTY.	Mark
1	01-51B1-S01
1	01-51B1-S02

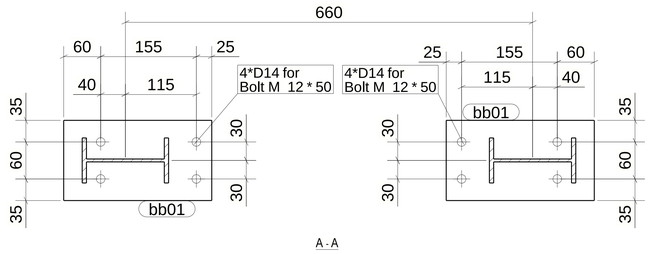


SC SLIP-CRITICAL CONNECTIONS DENOTE CLASS C FAYING SURFACE. NO PAINT (NS/FS) 3" ALL AROUND OPEN HOLES



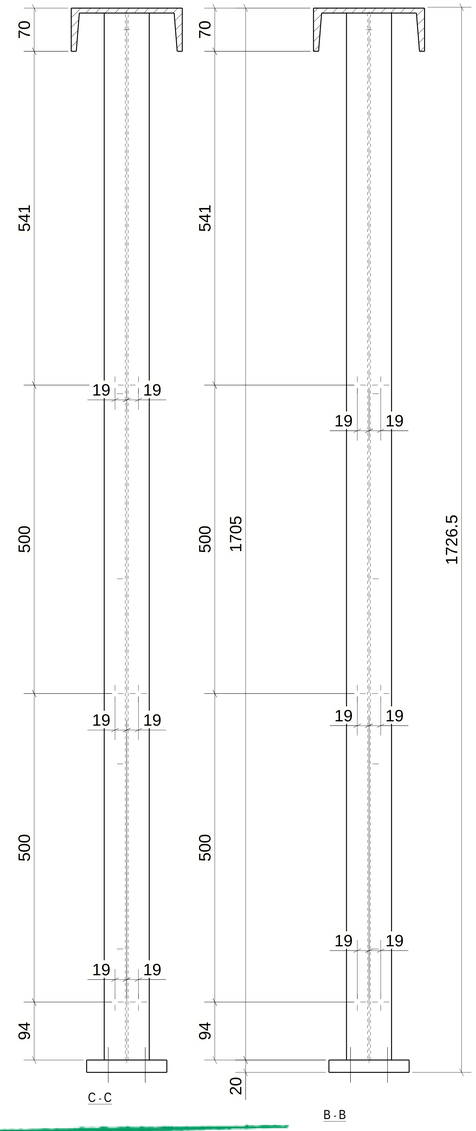
MATERIAL LIST FOR ASSEMBLY MK'D A_P1

Mark	Profile	GRADE	No.	Length	Area	Weight
bm01	UPN180	S235JR	1	1200	0.73	26.40
bb01	PL20*130	S355JR	2	240	0.08	4.90
col01	IPE140	S355JR	2	1697	0.94	21.85
				Total	2.76	79.89



approval is subject to approval of coordination package between multi-discipline

REVIEWED WITH COMMENT MONORAILS PROJECT



2 REQUIRED AS DRAWN MARKED A_P1

6 October Monorail Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority — Hill International Consultant — ORASCOM BOMBARDIER Main Contractor — INNOVA Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
FRAME : FR-14

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
9 3 M	0 4 7 3	A C C	6 0 L 0 1	D W G	3 0 1 7 7	B

Tekla Structures

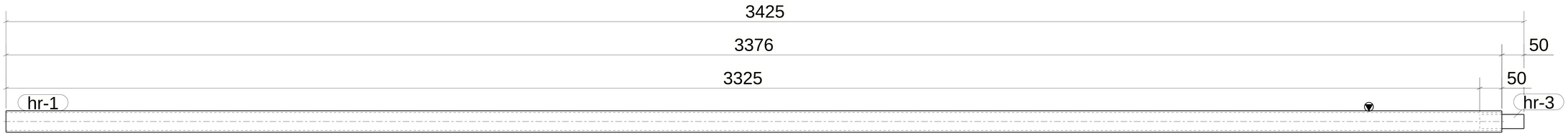
QTY.	Mark
1	01-51B2L-E7

approval is subject to approval of coordination package between multi-discipline

REVIEWED WITH COMMENT
MONORAILS PROJECT

MATERIAL LIST FOR ASSEMBLY MK'DHR-1

Mark	Profile	GRADE	No.	Length	Area	Weight
hr-1	CHS48.3*4.0	S235JR	1	3376	0.51	14.76
hr-3	ROD32	S355JR	1	100	0.01	0.60
				Total	0.52	15.36



1 *REQUIRED AS DRAWN MARKED* HR-1

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Hill International Consultant | ORASCOM / BOMBARDIER Main Contractor | INNOVA TRANSPORTATION Structural Designer

KEY PLAN:

6 October Monorail
Engineering Unit
Valid For Construction

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
HANDRAIL : HR-1

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30178	B

Tekla Structures

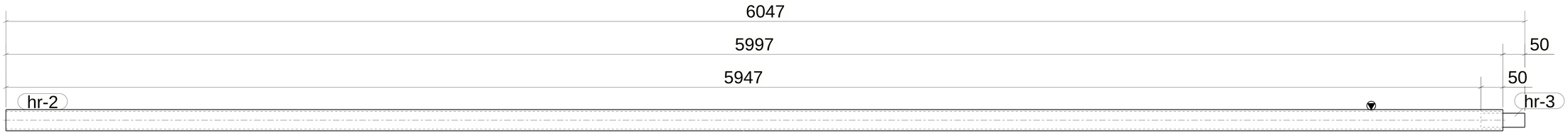
QTY.	Mark
1	01-51B2L-E8

approval is subject to approval of coordination package between multi-discipline

REVIEWED WITH COMMENT
MONORAILS PROJECT

MATERIAL LIST FOR ASSEMBLY MK'DHR-2

Mark	Profile	GRADE	No.	Length	Area	Weight
hr-2	CHS48.3*4.0	S235JR	1	5997	0.91	26.22
hr-3	ROD32	S355JR	1	100	0.01	0.60
				Total	0.92	26.82



1 *REQUIRED AS DRAWN MARKED* HR-2

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority — Consultant — Main Contractor — Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
HANDRAIL : HR-2

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30179	B

Tekla Structures

QTY.	Mark
1	01-51B2R-E7

approval is subject to approval of coordination package between multi-discipline

REVIEWED WITH COMMENT
MONORAILS PROJECT

MATERIAL LIST FOR ASSEMBLY MK'DHR-3

Mark	Profile	GRADE	No.	Length	Area	Weight
hr-4	CHS48.3*4.0	S235JR	1	6283	0.96	27.47
hr-3	ROD32	S355JR	1	100	0.01	0.60
				Total	0.97	28.08

1 *REQUIRED AS DRAWN MARKED* HR-3

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
3	
4	
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority — Consultant — Main Contractor — Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
HANDRAIL : HR-3

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30180	B

Track Structures

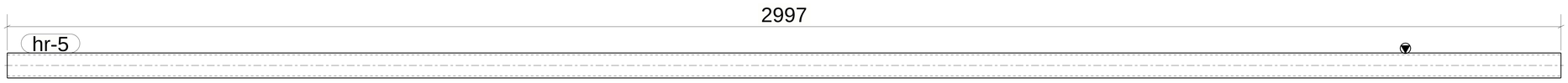
QTY.	Mark
1	01-51B2R-E9

approval is subject to approval of coordination package between multi-discipline

REVIEWED WITH COMMENT
MONORAILS PROJECT

MATERIAL LIST FOR ASSEMBLY MK'DHR-4

Mark	Profile	GRADE	No.	Length	Area	Weight
hr-5	CHS48.3*4.0	S235JR	1	2997	0.46	13.10
				Total	0.46	13.10



1 *REQUIRED AS DRAWN MARKED* HR-4

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
3	
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Consultant | Main Contractor | Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
HANDRAIL : HR-4

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30181	B

Tekla Structures

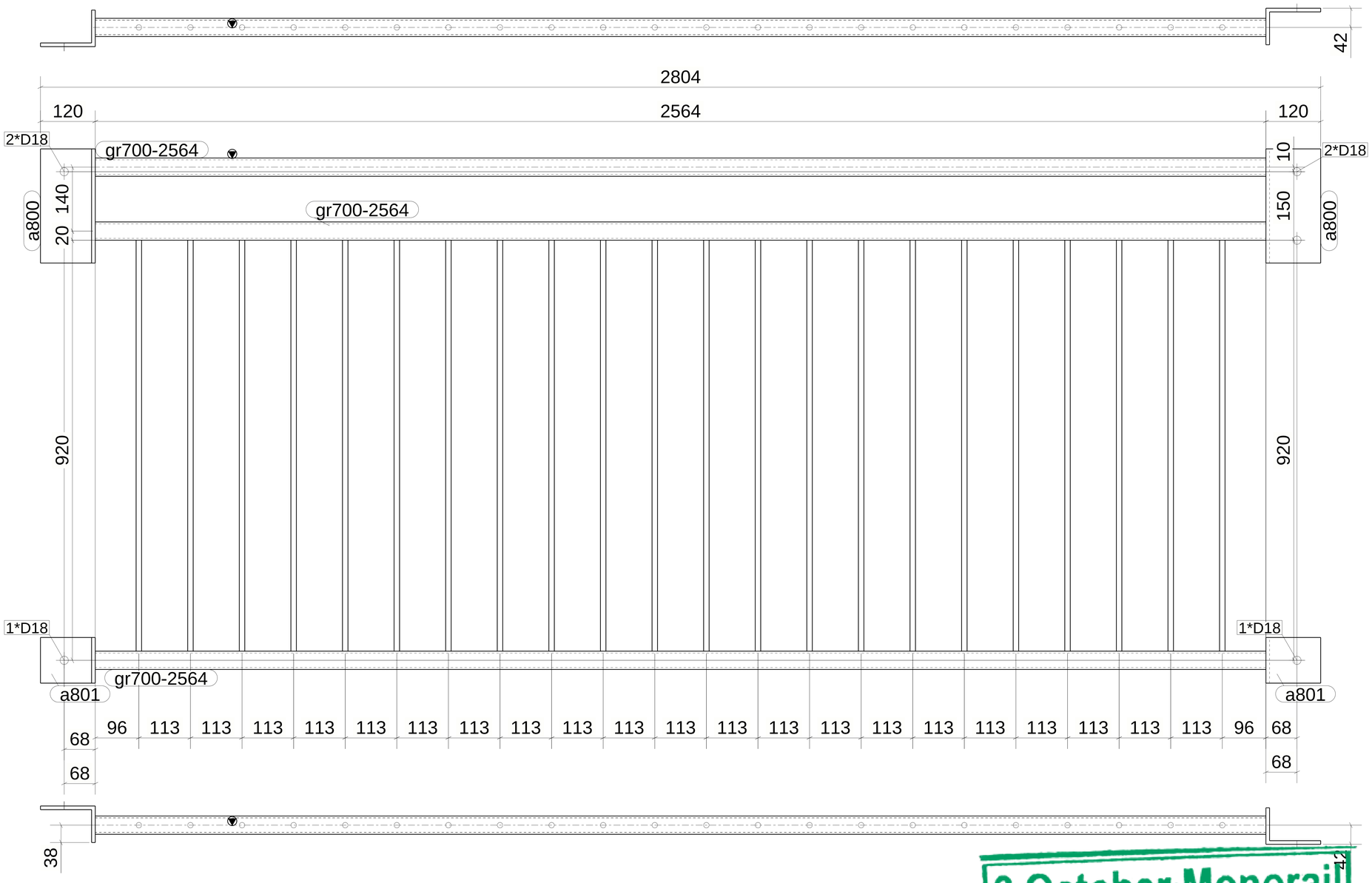
QTY.	Mark
1	01-03B2L-E1
1	01-03B2R-E1
1	01-51B2L-E1
1	01-51B2R-E1

approval is subject to approval of coordination package between multi-discipline

REVIEWED WITH COMMENT
MONORAILS PROJECT

MATERIAL LIST FOR ASSEMBLY MK'DHR1_D-2564

Mark	Profile	GRADE	No.	Length	Area	Weight
gr700-2564	SHS40*40*4.0	S235JRH	1	2564	0.39	11.26
a800	L120*80*8	S235JR	2	250	0.10	3.04
a801	L120*80*8	S235JR	2	100	0.04	1.22
gr700-2564	SHS40*40*4.0	S235JRH	2	2564	0.39	11.26
rd700	ROD12	S355JR	22	900	0.03	0.72
				Total	2.17	58.11



4 *REQUIRED AS DRAWN MARKED* HR1_D-2564

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority — Hill International (Consultant) — Main Contractor — Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV.	DATE	DSG.	CHK.	APP.	AMENDMENTS	STATUS
B	28.04.2024	A.N.	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N.	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
HANDRAIL : HR1_D-3

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	047	3ACC	60L01	DWG	30182	B

Tekla Structures

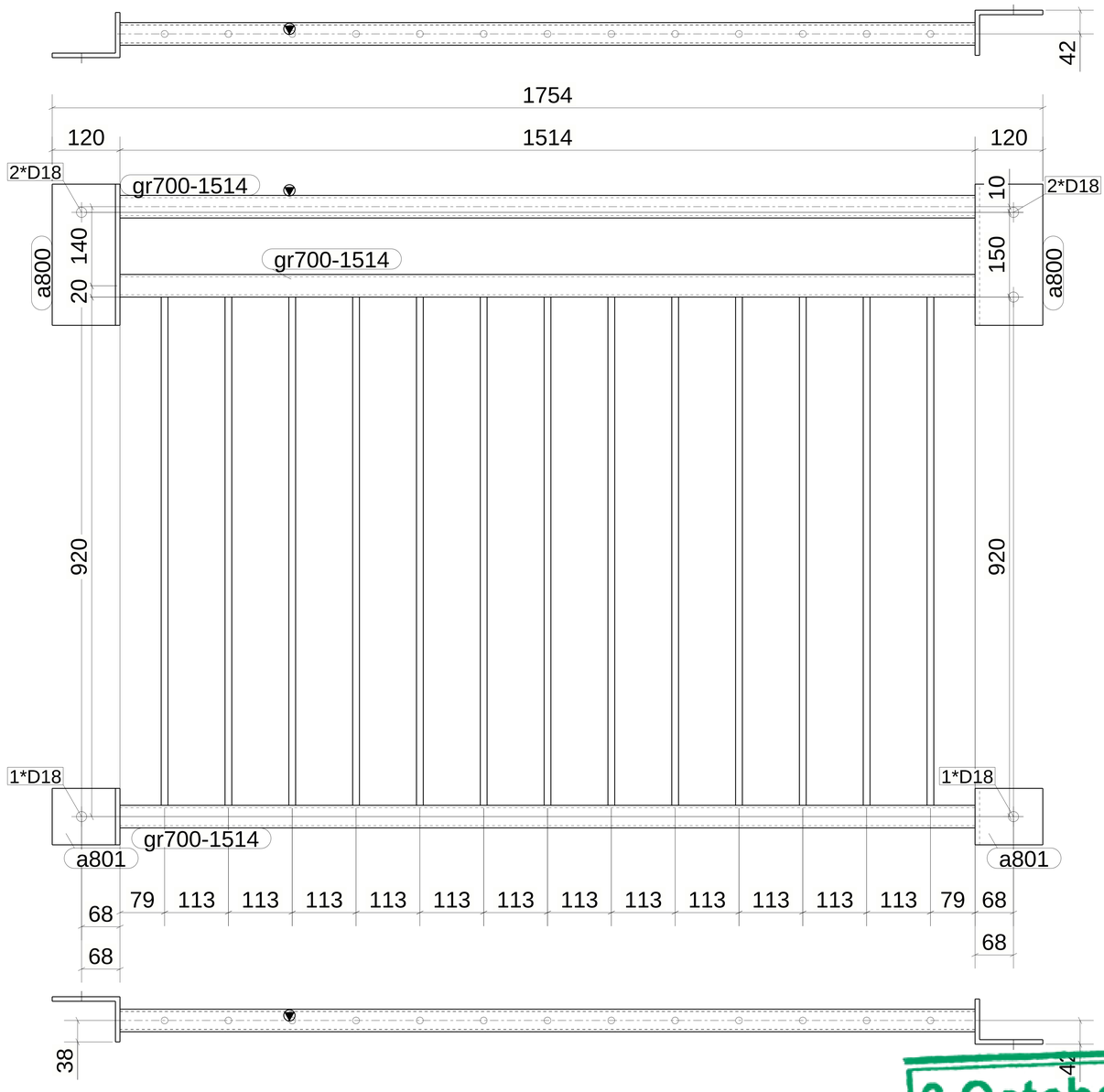
QTY.	Mark
1	01-03B2L-E2
1	01-03B2R-E2

approval is subject to approval of coordination package between multi-discipline

REVIEWED WITH COMMENT
MONORAILS PROJECT

MATERIAL LIST FOR ASSEMBLY MK'DHR1_D-1514

Mark	Profile	GRADE	No.	Length	Area	Weight
gr700-1514	SHS40*40*4.0	S235JRH	1	1514	0.23	6.65
a800	L120*80*8	S235JR	2	250	0.10	3.04
a801	L120*80*8	S235JR	2	100	0.04	1.22
gr700-1514	SHS40*40*4.0	S235JRH	2	1514	0.23	6.65
rd700	ROD12	S355JR	13	900	0.03	0.72
				Total	1.40	37.81



2 *REQUIRED AS DRAWN MARKED* HR1_D-1514

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
3	
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority — Hill International (Consultant) — ORASCOM / BOMBARDIER (Main Contractor) — INNOVA TRANSPORTATION (Structural Designer)

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV.	DATE	DSG.	CHK.	APP.	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
HANDRAIL : HR1_D-5

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	047	3ACC	60L01	DWG	30183	B

Tekla Structures

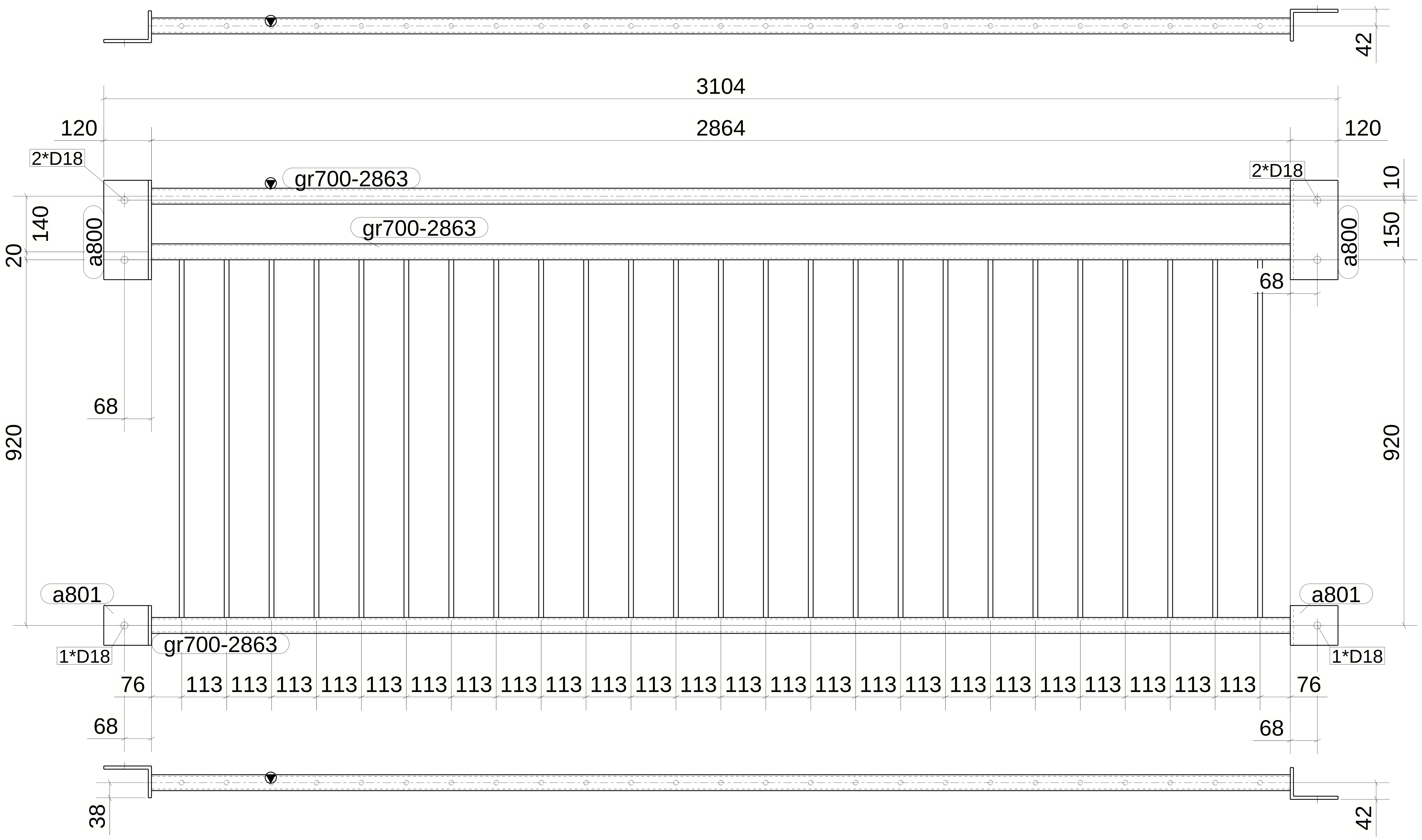
QTY.	Mark
1	01-03B2L-E3
1	01-03B2L-E4
1	01-03B2L-E5
1	01-03B2L-E6
1	01-03B2L-E7
1	01-03B2L-E8
1	01-03B2L-E9
1	01-03B2L-E10
1	01-03B2R-E3
1	01-03B2R-E4
1	01-03B2R-E5
1	01-03B2R-E6
1	01-03B2R-E7
1	01-03B2R-E8
1	01-03B2R-E9
1	01-03B2R-E10
1	01-03B3L-E3
1	01-03B3L-E4
1	01-03B3L-E5
1	01-03B3R-E3
1	01-03B3R-E4
1	01-03B3R-E5
1	01-51B1L-E2
1	01-51B1L-E3
1	01-51B1L-E4
1	01-51B1L-E5
1	01-51B1R-E2
1	01-51B1R-E3
1	01-51B1R-E4
1	01-51B1R-E5
1	01-51B2L-E3
1	01-51B2L-E4
1	01-51B2L-E5
1	01-51B2L-E6
1	01-51B2R-E3
1	01-51B2R-E4
1	01-51B2R-E5
1	01-51B2R-E6

approval is subject to approval of coordination package between multi-discipline

REVIEWED WITH COMMENT MONORAILS PROJECT

MATERIAL LIST FOR ASSEMBLY MK'D HR1_D-2863

Mark	Profile	GRADE	No.	Length	Area	Weight
gr700-2863	SHS40*40*4.0	S235JRH	1	2864	0.44	12.57
a800	L120*80*8	S235JR	2	250	0.10	3.04
a801	L120*80*8	S235JR	2	100	0.04	1.22
gr700-2863	SHS40*40*4.0	S235JRH	2	2864	0.44	12.57
rd700	ROD12	S355JR	25	900	0.03	0.72
				Total	2.41	64.22



38 *REQUIRED AS DRAWN MARKED* HR1_D-2863

6 October Monorail Engineering Unit Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
3	
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Hill International Consultant | Main Contractor | Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG.	CHK.	APP.	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
HANDRAIL : HR1_D-7

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
9 3 M	0 4 7 3	A C C	6 0 L 0 1	D W G	3 0 1 8 4	B

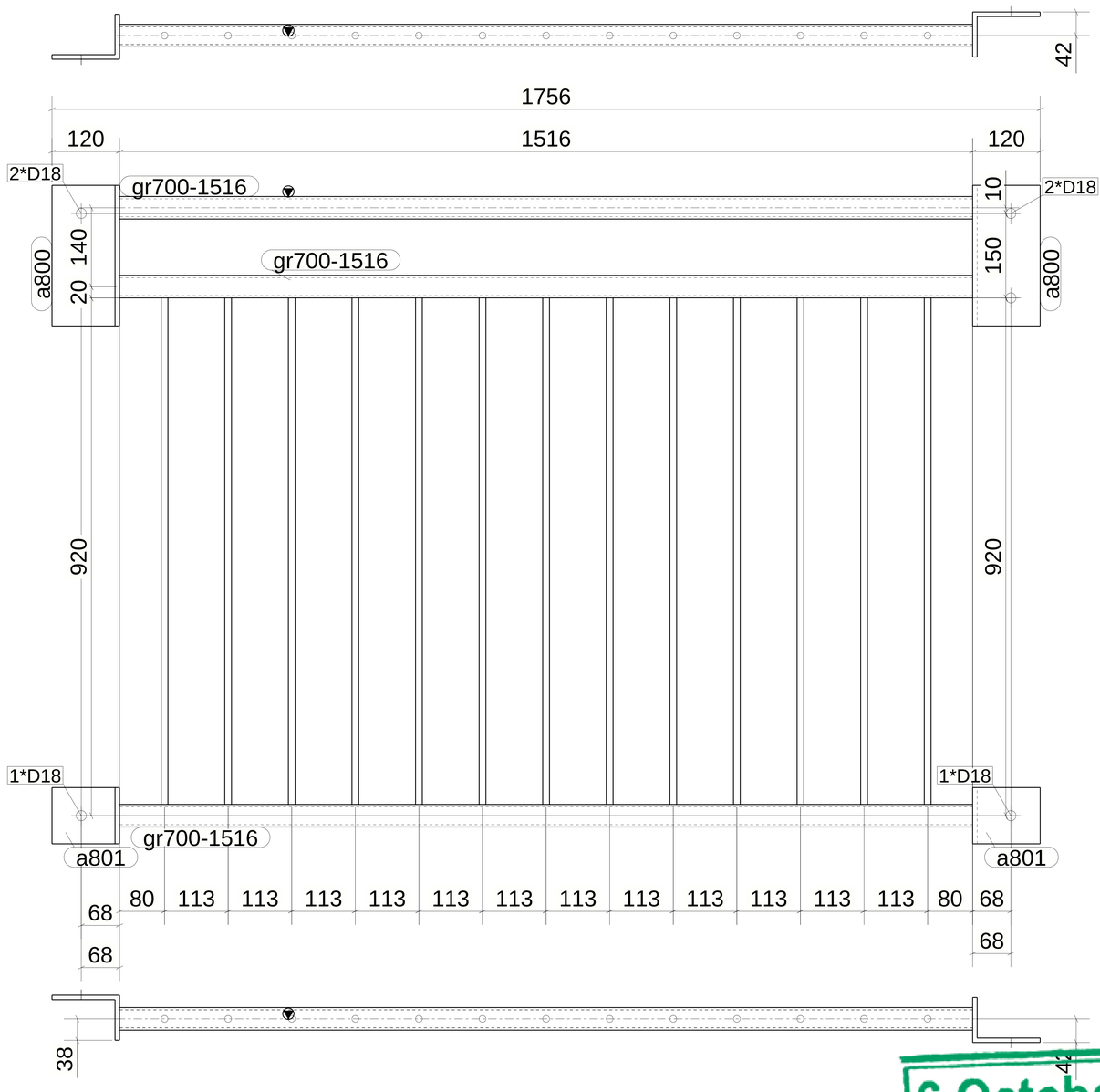
QTY.	Mark
1	01-03B2L-E11
1	01-03B2R-E11

approval is subject to approval of coordination package between multi-discipline

REVIEWED WITH COMMENT MONORAILS PROJECT

MATERIAL LIST FOR ASSEMBLY MK'DHR1_D-1516

Mark	Profile	GRADE	No.	Length	Area	Weight
gr700-1516	SHS40*40*4.0	S235JRH	1	1516	0.23	6.65
a800	L120*80*8	S235JR	2	250	0.10	3.04
a801	L120*80*8	S235JR	2	100	0.04	1.22
gr700-1516	SHS40*40*4.0	S235JRH	2	1516	0.23	6.65
rd700	ROD12	S355JR	13	900	0.03	0.72
				Total	1.40	37.83



2 *REQUIRED AS DRAWN MARKED* HR1_D-1516

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
3	
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Consultant: Hill International | Main Contractor: ORASCOM CONSTRUCTION, The Arab Contractors, BOMBARDIER | Structural Designer: INNOVA TRANSPORTATION

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV.	DATE	DSG.	CHK.	APP.	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
HANDRAIL : HR1_D-9

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	047	3ACC	60L01	DWG	30185	B

Tekla Structures

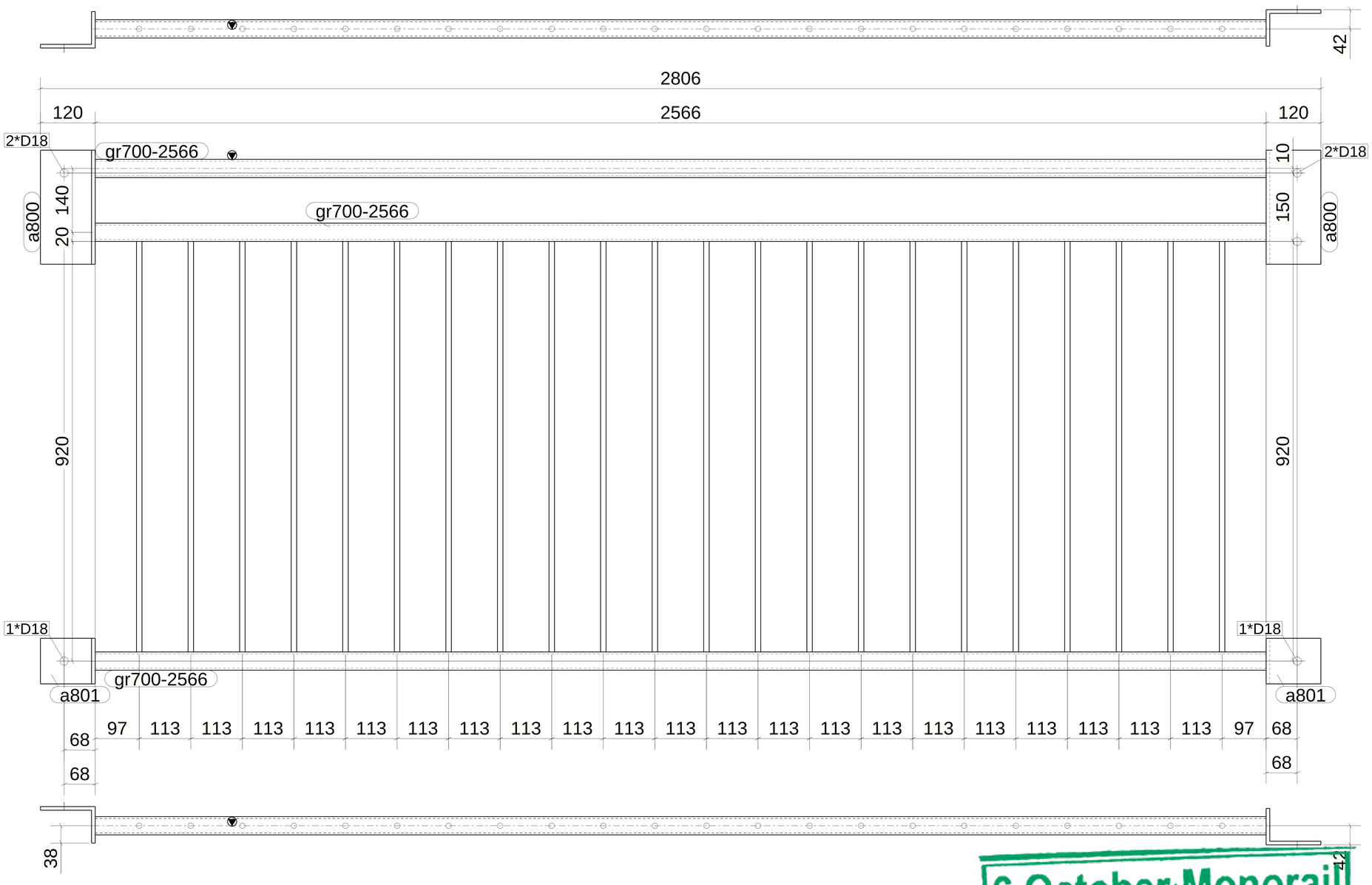
QTY.	Mark
1	01-03B3L-E1
1	01-03B3R-E1

approval is subject to approval of coordination package between multi-discipline

REVIEWED WITH COMMENT MONORAILS PROJECT

MATERIAL LIST FOR ASSEMBLY MK'DHR1_D-2566

Mark	Profile	GRADE	No.	Length	Area	Weight
gr700-2566	SHS40*40*4.0	S235JRH	1	2566	0.39	11.26
a800	L120*80*8	S235JR	2	250	0.10	3.04
a801	L120*80*8	S235JR	2	100	0.04	1.22
gr700-2566	SHS40*40*4.0	S235JRH	2	2566	0.39	11.26
rd700	ROD12	S355JR	22	900	0.03	0.72
				Total	2.18	58.14



2 *REQUIRED AS DRAWN MARKED* HR1_D-2566

6 October Monorail Engineering Unit Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority — Hill International (Consultant) — Main Contractor — Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV.	DATE	DSG.	CHK.	APP.	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
HANDRAIL : HR1_D-11

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93	M047	3ACC	60L01	DWG	30186	B

Tekla Structures

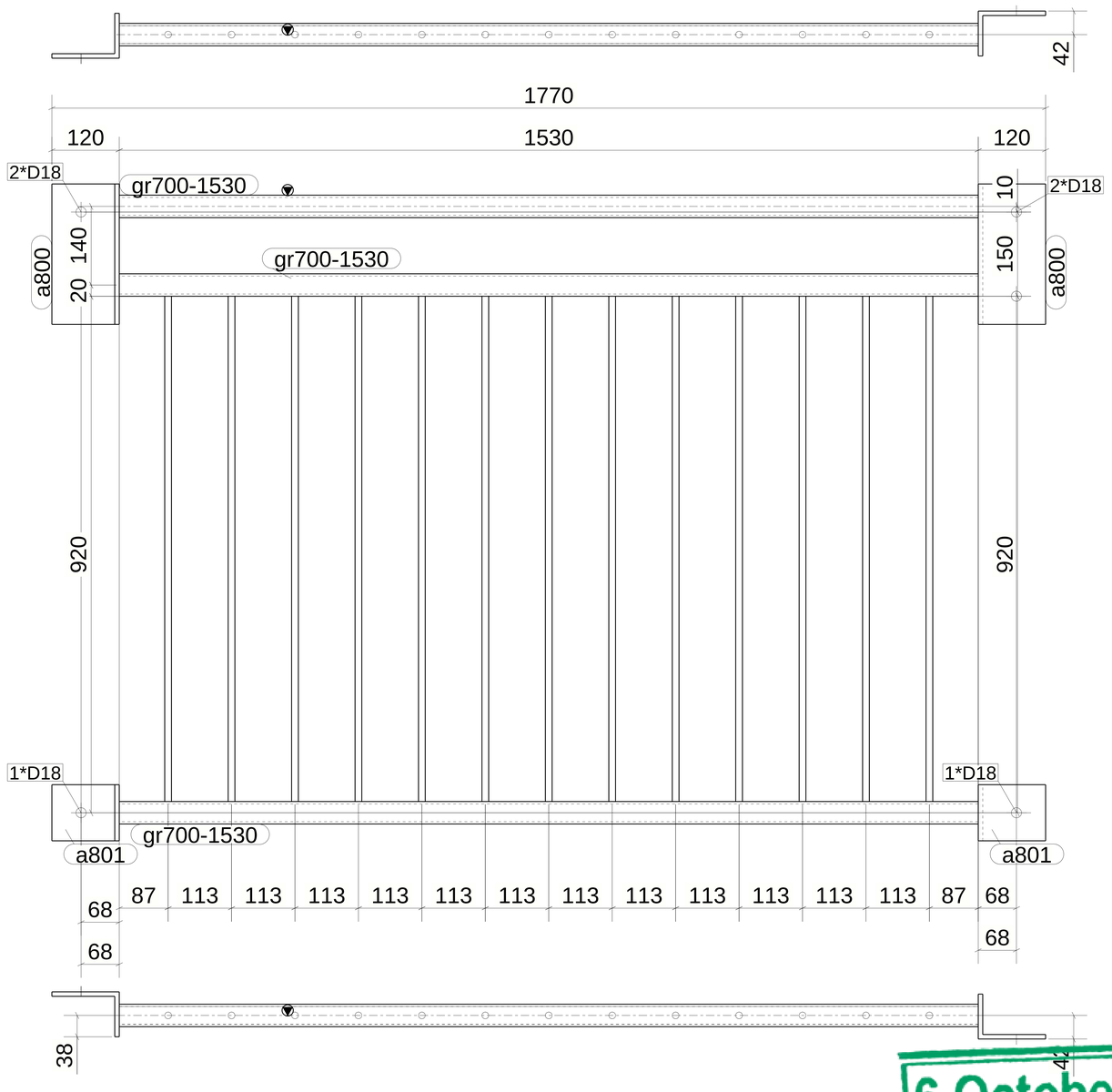
QTY.	Mark
1	01-03B3L-E2
1	01-03B3R-E2

approval is subject to approval of coordination package between multi-discipline

REVIEWED WITH COMMENT
MONORAILS PROJECT

MATERIAL LIST FOR ASSEMBLY MK'DHR1_D-1530

Mark	Profile	GRADE	No.	Length	Area	Weight
gr700-1530	SHS40*40*4.0	S235JRH	1	1530	0.23	6.72
a800	L120*80*8	S235JR	2	250	0.10	3.04
a801	L120*80*8	S235JR	2	100	0.04	1.22
gr700-1530	SHS40*40*4.0	S235JRH	2	1530	0.23	6.72
rd700	ROD12	S355JR	13	900	0.03	0.72
				Total	1.40	38.02



2 *REQUIRED AS DRAWN MARKED* HR1_D-1530

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority — Hill International (Consultant) — Main Contractor — Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV.	DATE	DSG.	CHK.	APP.	AMENDMENTS	STATUS
B	28.04.2024	A.N.	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N.	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
HANDRAIL : HR1_D-13

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	047	3ACC	60L01	DWG	30187	B

Tekla Structures

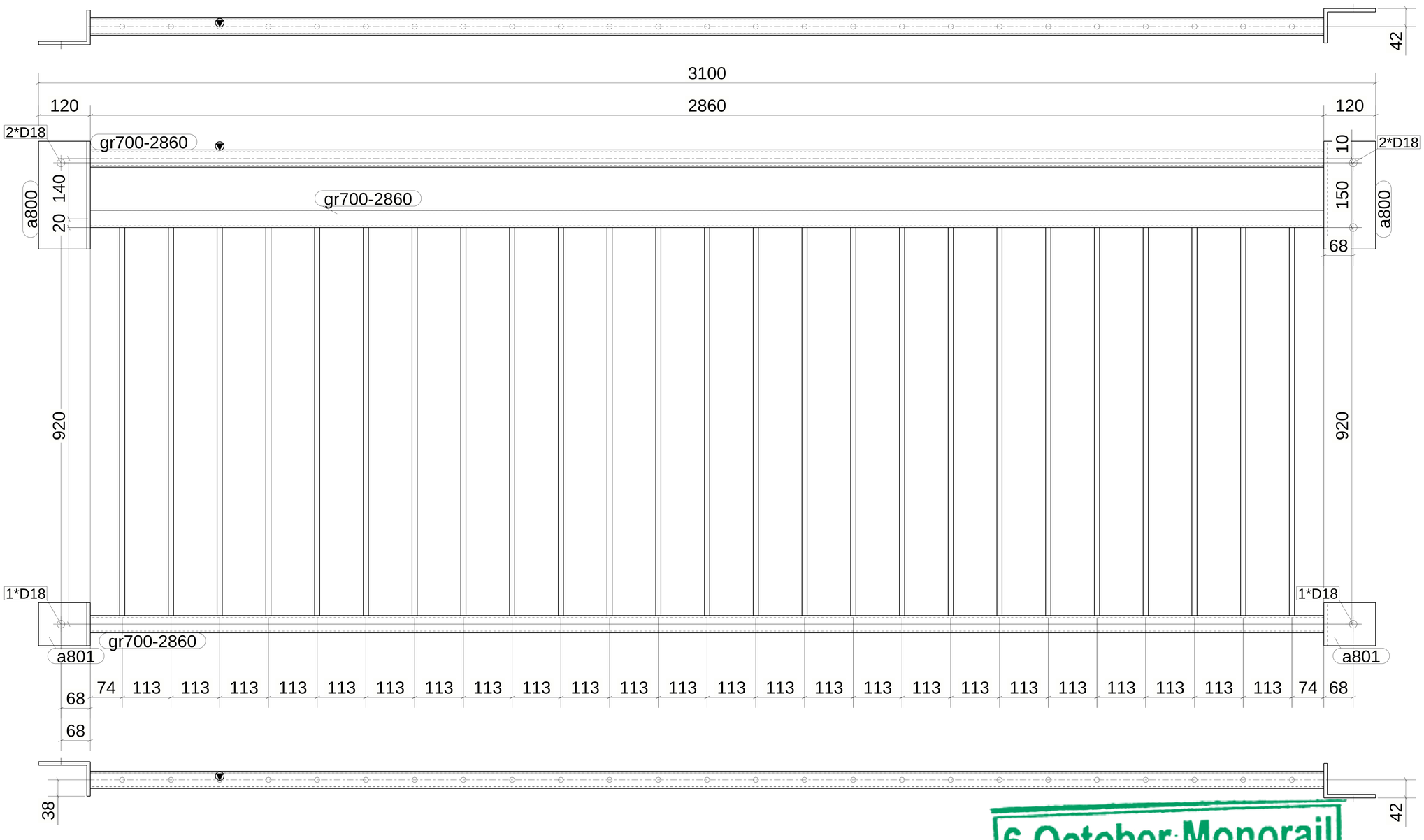
QTY.	Mark
1	01-03B3L-E6
1	01-03B3R-E6

approval is subject to approval of coordination package between multi-discipline

REVIEWED WITH COMMENT MONORAILS PROJECT

MATERIAL LIST FOR ASSEMBLY MK'DHR1_D-2860

Mark	Profile	GRADE	No.	Length	Area	Weight
gr700-2860	SHS40*40*4.0	S235JRH	1	2860	0.43	12.55
a800	L120*80*8	S235JR	2	250	0.10	3.04
a801	L120*80*8	S235JR	2	100	0.04	1.22
gr700-2860	SHS40*40*4.0	S235JRH	2	2860	0.43	12.55
rd700	ROD12	S355JR	25	900	0.03	0.72
				Total	2.41	64.17



2 *REQUIRED AS DRAWN MARKED* HR1_D-2860

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority — Consultant — Main Contractor — Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV.	DATE	DSG.	CHK.	APP.	AMENDMENTS	STATUS
B	28.04.2024	A.N.	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N.	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
HANDRAIL : HR1_D-15

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	047	3ACC	60L01	DWG	30188	B

Tekla Structures

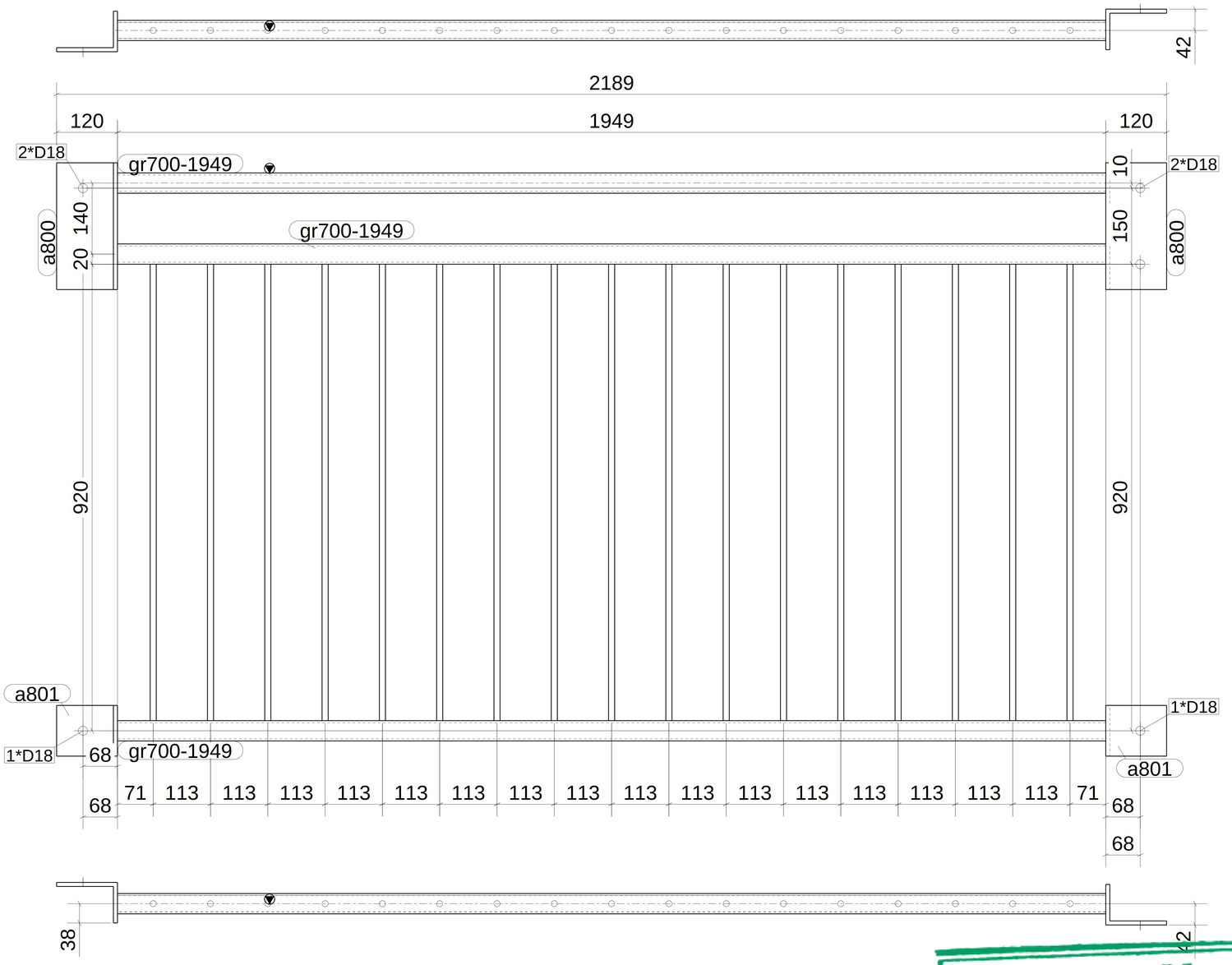
QTY.	Mark
1	01-51B1L-E6
1	01-51B1R-E6

approval is subject to approval of coordination package between multi-discipline

REVIEWED WITH COMMENT MONORAILS PROJECT

MATERIAL LIST FOR ASSEMBLY MK'DHR1_D-1949

Mark	Profile	GRADE	No.	Length	Area	Weight
gr700-1949	SHS40*40*4.0	S235JRH	1	1949	0.30	8.56
a800	L120*80*8	S235JR	2	250	0.10	3.04
a801	L120*80*8	S235JR	2	100	0.04	1.22
gr700-1949	SHS40*40*4.0	S235JRH	2	1949	0.30	8.56
rd700	ROD12	S355JR	17	900	0.03	0.72
				Total	1.73	46.41



2 *REQUIRED AS DRAWN MARKED* HR1_D-1949

6 October Monorail Engineering Unit Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Consultant: Hill International | Main Contractor: ORASCOM CONSTRUCTION, BOMBARDIER | Structural Designer: INNOVA TRANSPORTATION

KEY PLAN:

SCALE: AS SHOWN | SHOPDRAWING | DATE: 28.04.2024

REV.	DATE	DSG.	CHK.	APP.	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
HANDRAIL : HR1_D-17

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93	M047	3ACC	60L01	DWG	30189	B

Trimble Scheduling

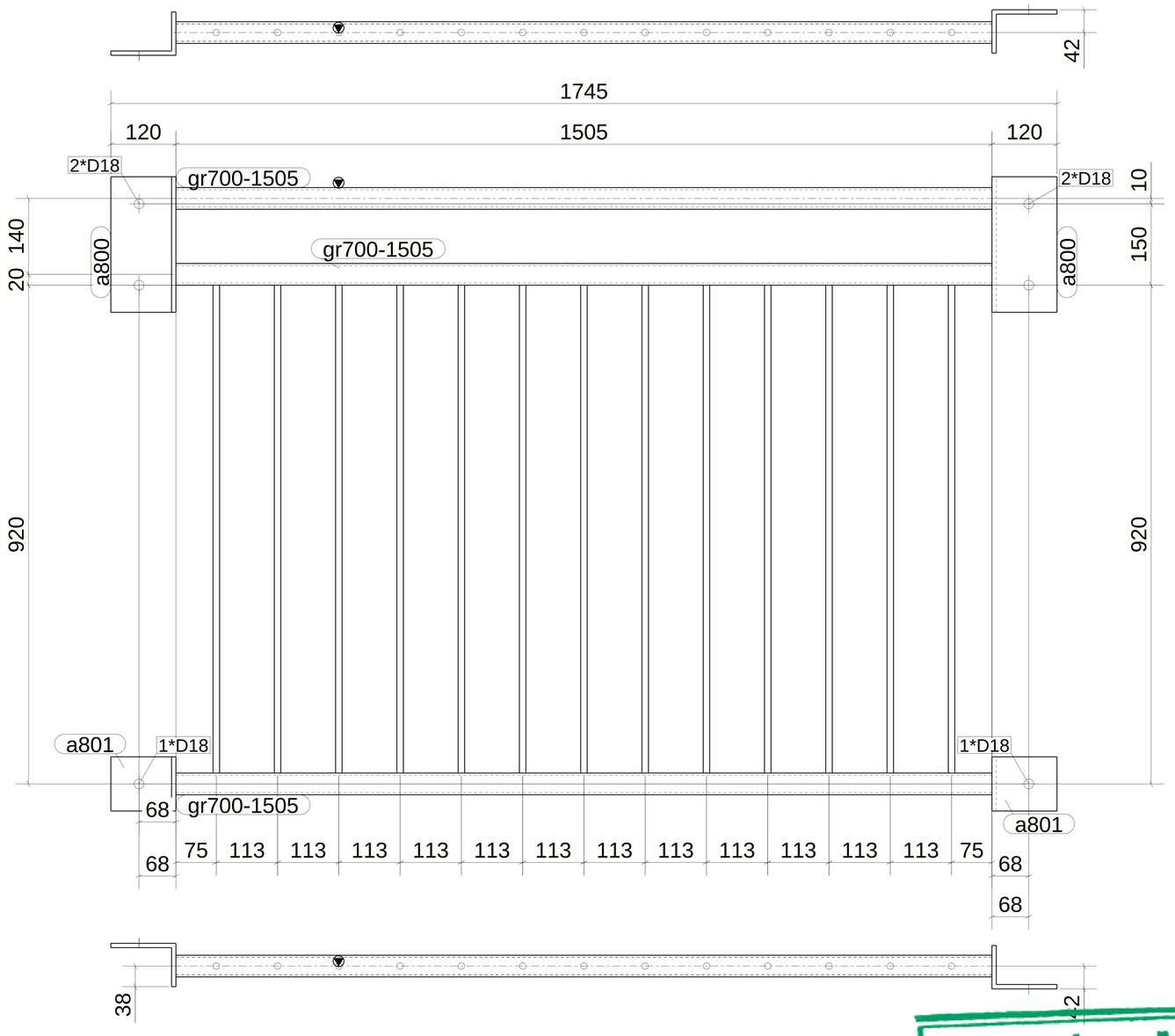
QTY.	Mark
1	01-51B2L-E2
1	01-51B2R-E2

approval is subject to approval of coordination package between multi-discipline

REVIEWED WITH COMMENT MONORAILS PROJECT

MATERIAL LIST FOR ASSEMBLY MK'DHR1_D-1505

Mark	Profile	GRADE	No.	Length	Area	Weight
gr700-1505	SHS40*40*4.0	S235JRH	1	1505	0.23	6.61
a800	L120*80*8	S235JR	2	250	0.10	3.04
a801	L120*80*8	S235JR	2	100	0.04	1.22
gr700-1505	SHS40*40*4.0	S235JRH	2	1505	0.23	6.61
rd700	ROD12	S355JR	13	900	0.03	0.72
				Total	1.39	37.69



2 *REQUIRED AS DRAWN MARKED* HR1_D-1505

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority — Hill International (Consultant) — Main Contractor — Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV.	DATE	DSG.	CHK.	APP.	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
HANDRAIL : HR1_D-19

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	047	3ACC	60L01	DWG	30190	B

Tekla Structures

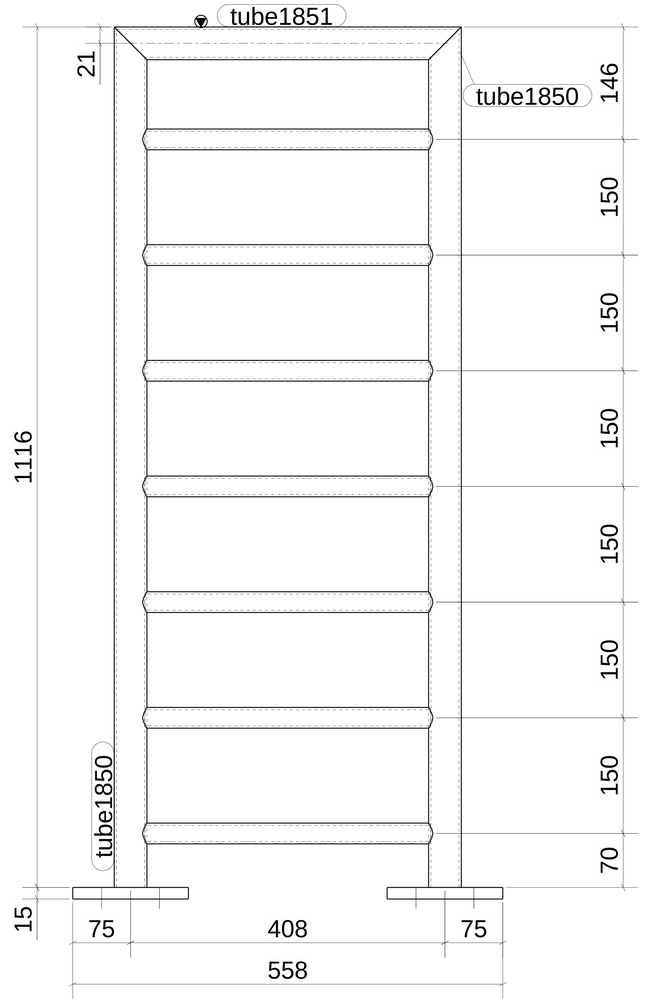
QTY.	Mark
1	01-51B2L-E7
1	01-51B2R-E7

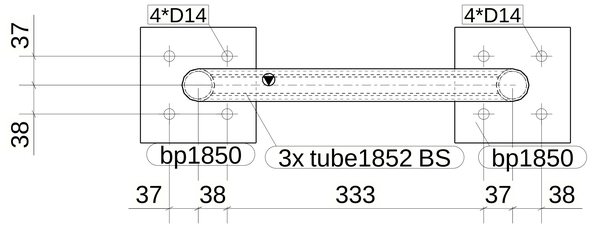
MATERIAL LIST FOR ASSEMBLY MK'D HR2

Mark	Profile	GRADE	No.	Length	Area	Weight
tube1851	CHS42.4*3.0	S235JRH	1	450	0.06	1.31
bp1850	PL15*150	S355JR	2	150	0.05	2.65
tube1850	CHS42.4*3.0	S235JRH	2	1116	0.15	3.25
tube1852	PIPE26.9*2.9	S235JRH	7	377	0.03	0.61
				Total	0.68	17.35

approval is subject to approval of coordination package between multi-discipline

REVIEWED WITH COMMENT MONORAILS PROJECT





2 *REQUIRED AS DRAWN MARKED* HR2

6 October Monorail Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Hill International Consultant | ORASCOM BOMBARDIER Main Contractor | INNOVA Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
HANDRAIL : HR2-1

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30191	B

Tekla Structures

QTY.	Mark
1	01-03B2L-E1
1	01-03B2L-E2
1	01-03B2L-E3
1	01-03B2L-E4
1	01-03B2L-E5
1	01-03B2L-E6
1	01-03B2L-E7
1	01-03B2L-E8
1	01-03B2L-E9
1	01-03B2L-E10
1	01-03B2L-E11
1	01-03B2R-E1
1	01-03B2R-E2
1	01-03B2R-E3
1	01-03B2R-E4
1	01-03B2R-E5
1	01-03B2R-E6
1	01-03B2R-E7
1	01-03B2R-E8
1	01-03B2R-E9
1	01-03B2R-E10
1	01-03B2R-E11
1	01-03B3L-E1
1	01-03B3L-E2
1	01-03B3L-E3
1	01-03B3L-E4
1	01-03B3L-E5
1	01-03B3L-E6
1	01-03B3R-E1
1	01-03B3R-E2
1	01-03B3R-E3
1	01-03B3R-E4
1	01-03B3R-E5
1	01-03B3R-E6
1	01-51B1L-E1
1	01-51B1L-E2
1	01-51B1L-E3
1	01-51B1L-E4
1	01-51B1L-E5
1	01-51B1L-E6
1	01-51B1R-E1
1	01-51B1R-E2
1	01-51B1R-E3
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1	01-51B2L-E2
1	01-51B2L-E3
1	01-51B2L-E4
1	01-51B2L-E5
1	01-51B2R-E1
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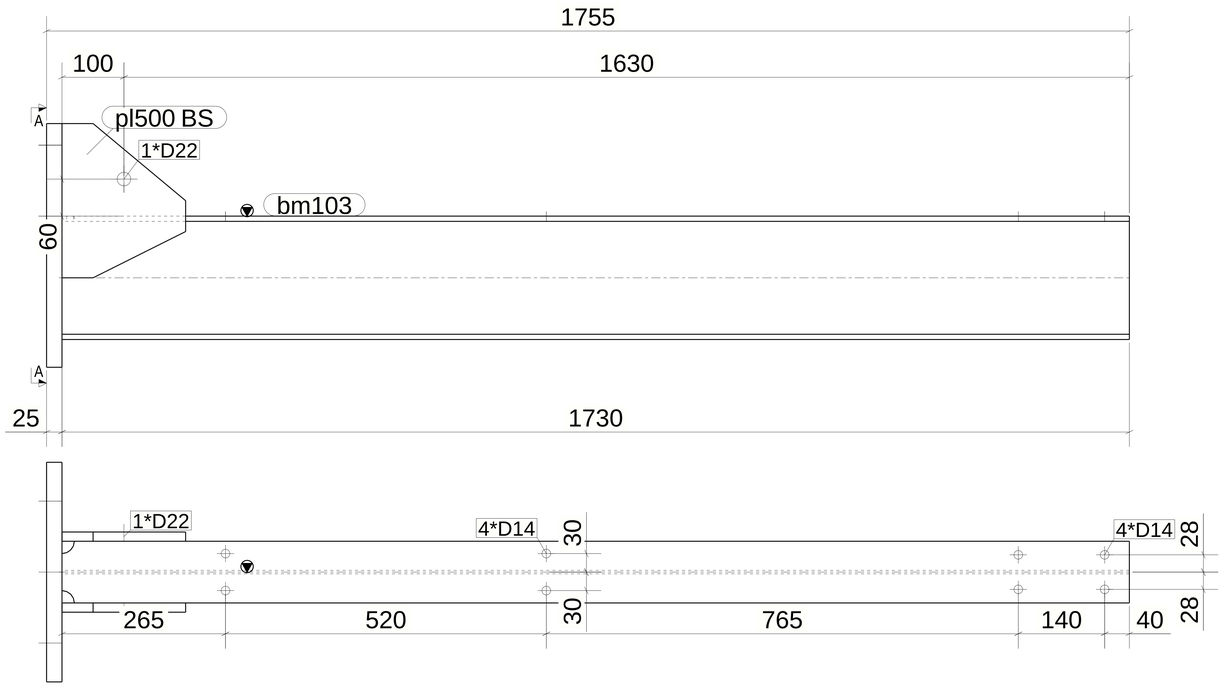
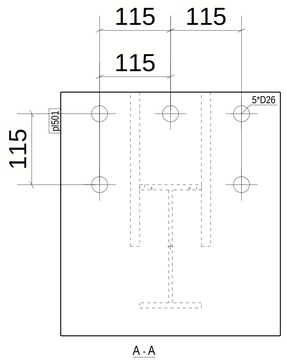
1	01-51B2R-E3
1	01-51B2R-E4
1	01-51B2R-E5

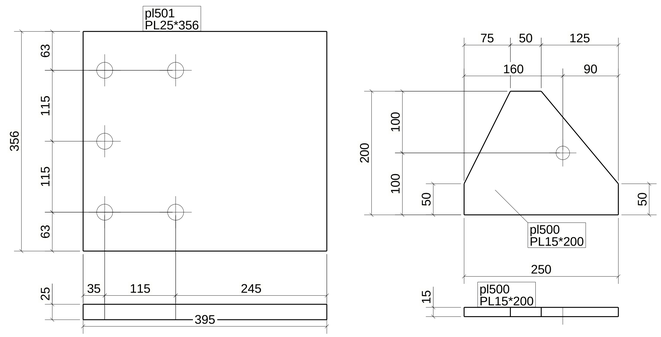


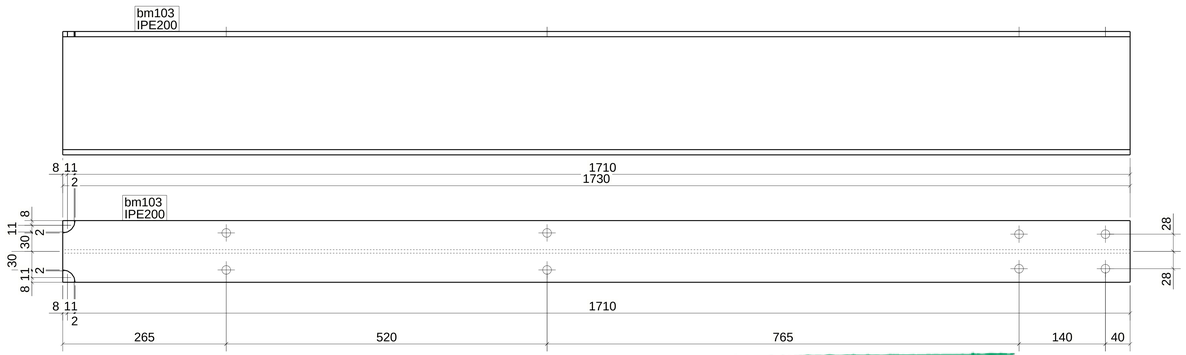
MATERIAL LIST FOR ASSEMBLY MK'D PPB_175						
Mark	Profile	GRADE	No.	Length	Area	Weight
bm103	IPE200	S355JR	1	1730	1.33	38.70
pl500	PL15*200	S355JR	2	250	0.08	4.13
pl501	PL25*356	S355JR	1	395	0.32	27.60
				Total	1.81	74.57

approval is subject to approval of coordination package between multi-discipline

REVIEWED WITH COMMENT MONORAILS PROJECT







56 *REQUIRED AS DRAWN MARKED* PPB_175

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
3	
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Consultant: Hill International | Main Contractor: ORASCOM CONSTRUCTION / BOMBARDIER / The Arab Contractors | Structural Designer: INNOVA TRANSPORTATION

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV.	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
BEAM : PPB_175-1

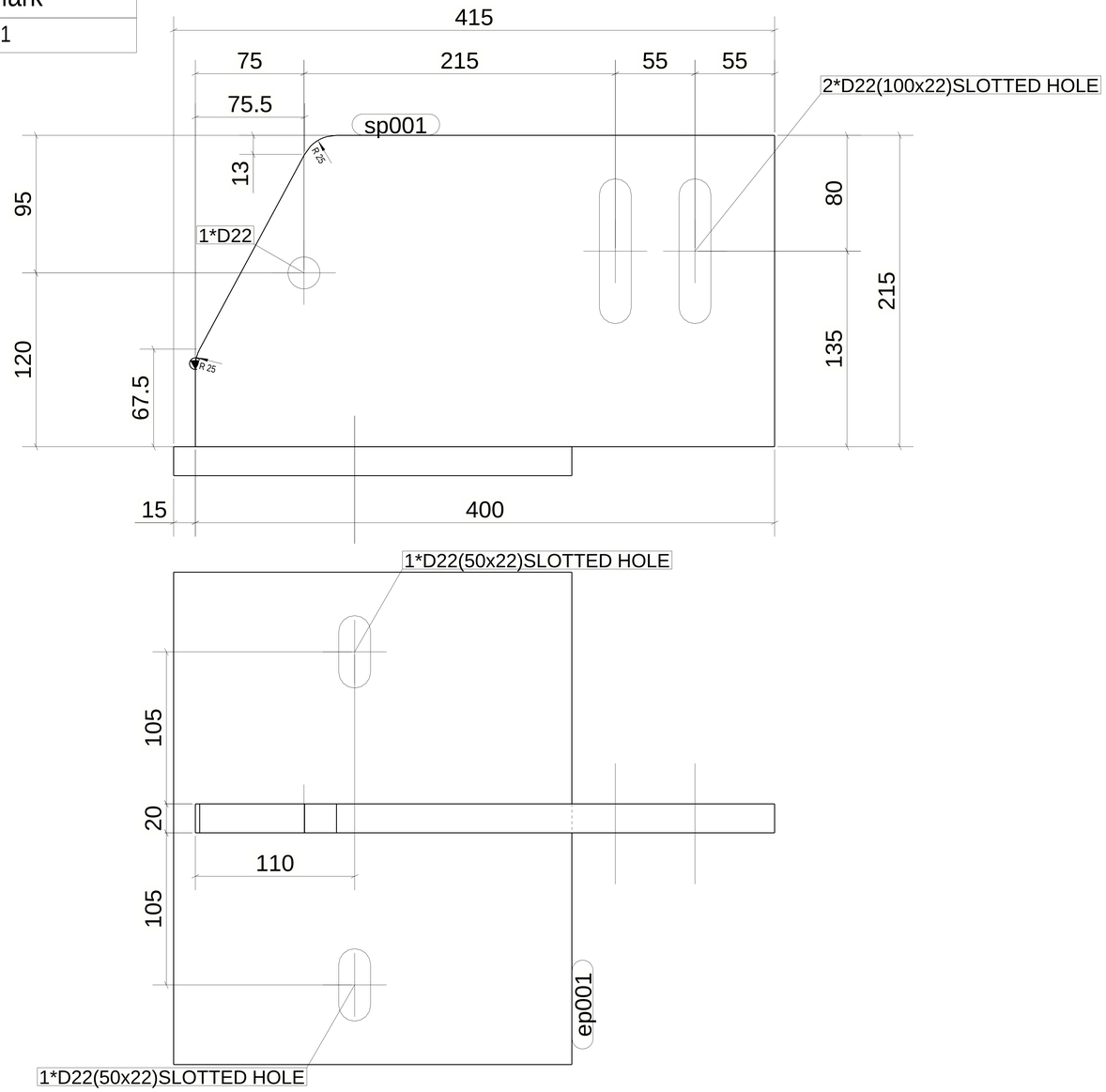
Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	04	73	ACC60	L01	DWG	301928	B

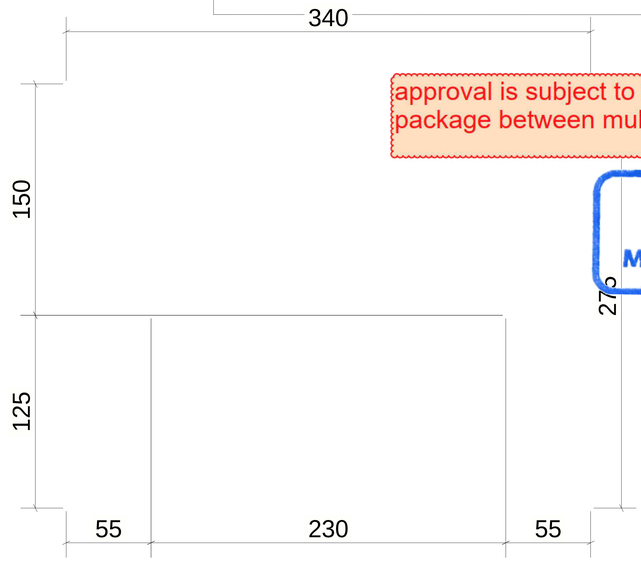
Trimble Structures

QTY.	Mark
98	SP01

MATERIAL LIST FOR ASSEMBLY MK'D SP01

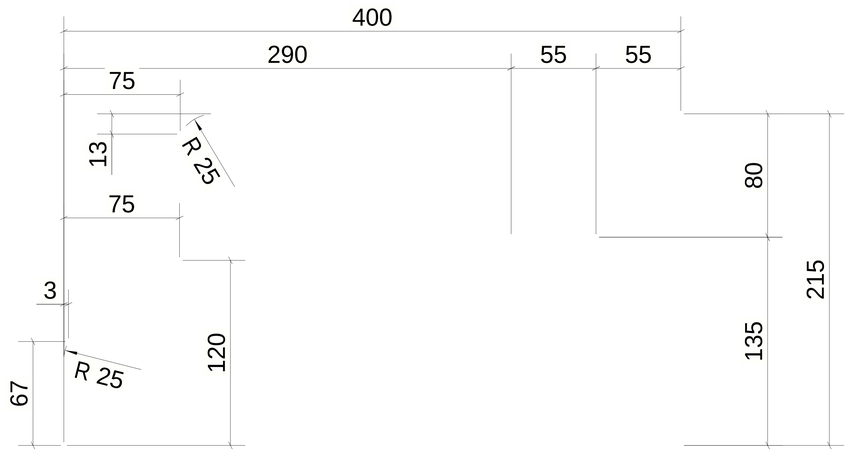
Mark	Profile	GRADE	No.	Length	Area	Weight
sp001	PL20*215	S355JR	1	400	0.18	12.50
ep001	PL20*275	S355JR	1	340	0.21	14.68
				Total	0.39	27.18





approval is subject to approval of coordination package between multi-discipline

REVIEWED WITH COMMENT MONORAILS PROJECT



98 *REQUIRED AS DRAWN MARKED* SP01

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Hill International Consultant | ORASCOM BOMBARDIER Main Contractor | INNOVA Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
PLATE : SP-1

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30193	B

Tekla Structures

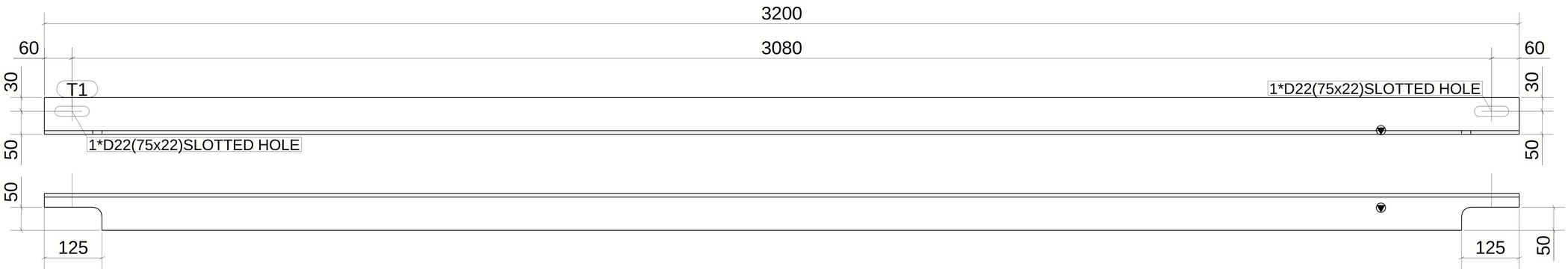
QTY.	Mark
40	T1

approval is subject to approval of coordination package between multi-discipline

REVIEWED WITH COMMENT
MONORAILS PROJECT

MATERIAL LIST FOR ASSEMBLY MK'DT1

Mark	Profile	GRADE	No.	Length	Area	Weight
T1	L80*80*8	S235JR	1	3200	1.00	29.77
				Total	1.00	29.77



40 *REQUIRED AS DRAWN MARKED* T1

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Hill International Consultant | Main Contractor | Structural Designer

KEY PLAN:

SCALE: AS SHOWN | SHOPDRAWING | DATE: 28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
BRACING_T1 : T-1

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30194	B

Trimble Sketchup

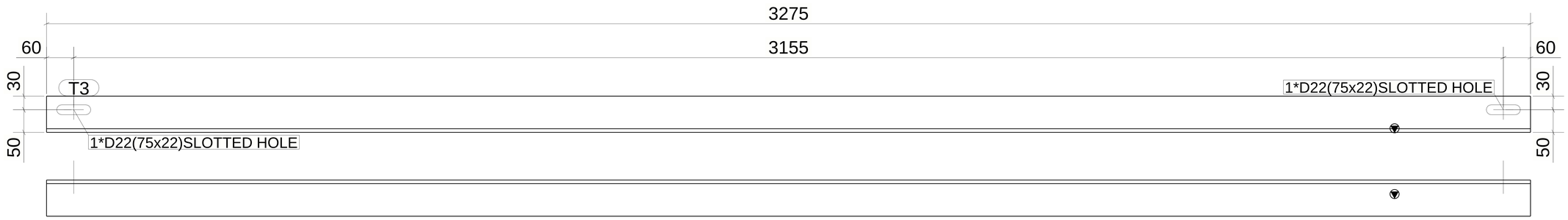
QTY.	Mark
4	T3

approval is subject to approval of coordination package between multi-discipline

REVIEWED WITH COMMENT
MONORAILS PROJECT

MATERIAL LIST FOR ASSEMBLY MK'DT3

Mark	Profile	GRADE	No.	Length	Area	Weight
T3	L80*80*8	S235JR	1	3275	1.05	31.26
				Total	1.05	31.26



4 *REQUIRED AS DRAWN MARKED* T3

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority — Hill International (Consultant) — ORASCOM / BOMBARDIER (Main Contractor) — INNOVA TRANSPORTATION (Structural Designer)

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
BRACING_T3 : T-2

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93	M047	3ACC	60L01	DWG	30195	B

Tekla Structures

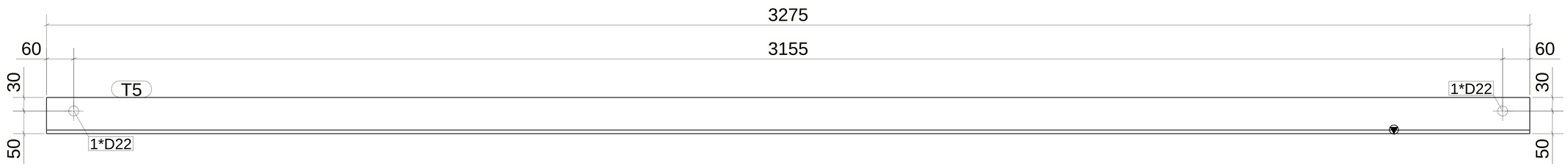
QTY.	Mark
2	T5

MATERIAL LIST FOR ASSEMBLY MK'D T5

Mark	Profile	GRADE	No.	Length	Area	Weight
T5	L80*80*8	S235JR	1	3275	1.05	31.26
				Total	1.05	31.26

approval is subject to approval of coordination package between multi-discipline

REVIEWED WITH COMMENT MONORAILS PROJECT



2 *REQUIRED AS DRAWN MARKED* T5

6 October Monorail Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Hill International Consultant | ORASCOM BOMBARDIER Main Contractor | INNOVA TRANSPORTATION Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
BRACING_T5 : T-3

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30196	B

Tekla Structures

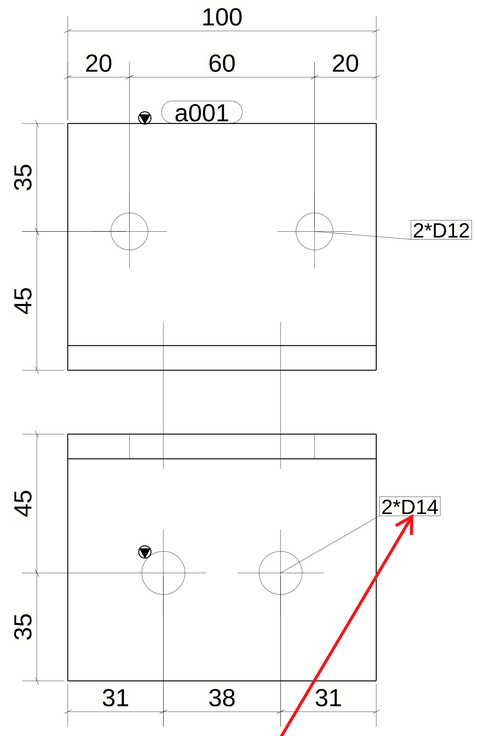
QTY.	Mark
294	a001

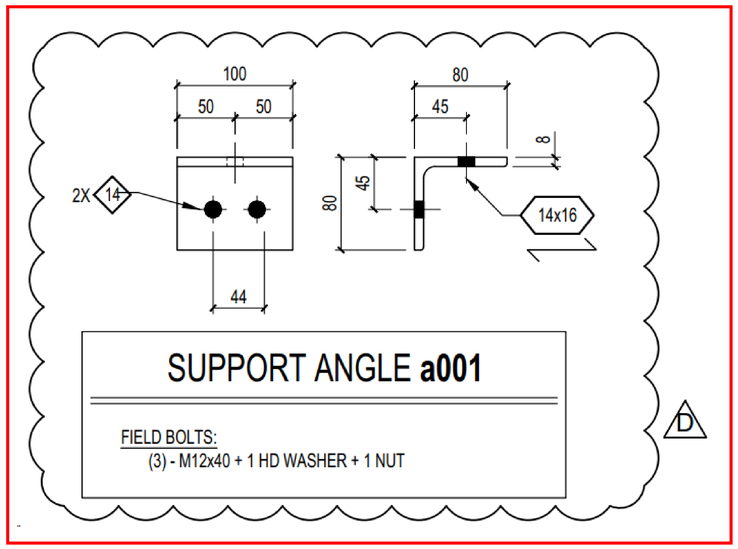
MATERIAL LIST FOR ASSEMBLY MK'Da001

Mark	Profile	GRADE	No.	Length	Area	Weight
a001	L80*80*8	S235JR	1	100	0.03	0.95
				Total	0.03	0.95

approval is subject to approval of coordination package between multi-discipline

REVIEWED WITH COMMENT MONORAILS PROJECT





Hole size is not matching with the design drawings as shown below as it should be slot 14x16

294 *REQUIRED AS DRAWN MARKED* a001

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority — Hill International Consultant — ORASCOM BOMBARDIER Main Contractor — INNOVA Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
SUPPORT_ANGLE : a-1

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30197	B

Tekla Structures

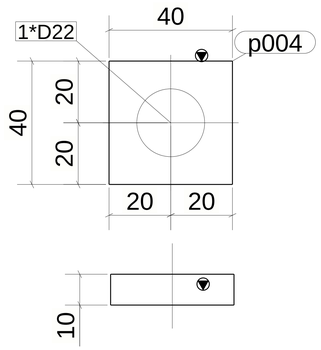
QTY.	Mark
994	p004

approval is subject to approval of coordination package between multi-discipline

REVIEWED WITH COMMENT
MONORAILS PROJECT

MATERIAL LIST FOR ASSEMBLY MK'Dp004

Mark	Profile	GRADE	No.	Length	Area	Weight
p004	PL10*40	S355JR	1	40	0.00	0.13
				Total	0.00	0.13



994 *REQUIRED AS DRAWN MARKED* p004

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
3	
4	
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Consultant: Hill International | Main Contractor: ORASCOM CONSTRUCTION, BOMBARDIER | Structural Designer: INNOVA TRANSPORTATION

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28/4/2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
Washer_Plate : p-1

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30198	B

Tekla Structures

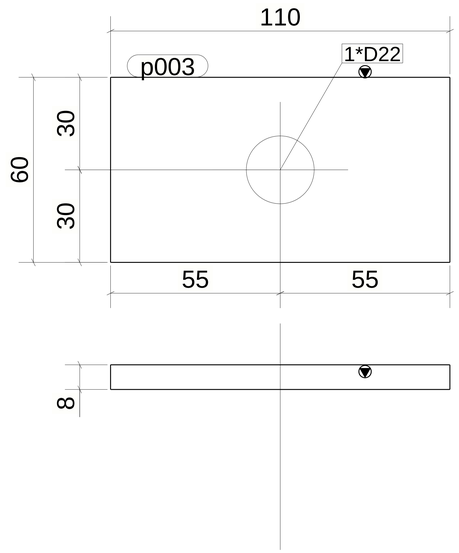
QTY.	Mark
80	p003

MATERIAL LIST FOR ASSEMBLY MK'Dp003

Mark	Profile	GRADE	No.	Length	Area	Weight
p003	PL8*60	S355JR	1	110	0.02	0.41
				Total	0.02	0.41

approval is subject to approval of coordination package between multi-discipline

REVIEWED WITH COMMENT MONORAILS PROJECT



80 *REQUIRED AS DRAWN MARKED* p003

6 October Monorail Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
3	
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Hill International Consultant | ORASCOM BOMBARDIER Main Contractor | INNOVA TRANSPORTATION Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
PLATE : p-2

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
9 3 M	0 4 7 3	A C C	6 0 L 0 1	D W G	3 0 1 9 9	B

Tekla Structures

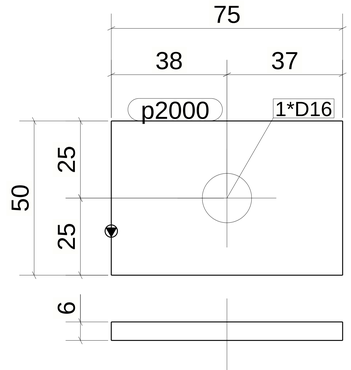
QTY.	Mark
24	p2000

MATERIAL LIST FOR ASSEMBLY MK'Dp2000

Mark	Profile	GRADE	No.	Length	Area	Weight
p2000	PL6*50	S355JR	1	75	0.01	0.18
				Total	0.01	0.18

approval is subject to approval of coordination package between multi-discipline

REVIEWED WITH COMMENT MONORAILS PROJECT



24 *REQUIRED AS DRAWN MARKED* p2000

6 October Monorail Engineering Unit Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority — Hill International Consultant — ORASCOM BOMBARDIER Main Contractor — INNOVA Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE

6TH OF OCTOBER MONORAIL

SHOP DRAWING FOR LINE SEGMENT (L01)

CANTILEVER

Washer_Plate : p-3

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30200	B

Tekla Structures

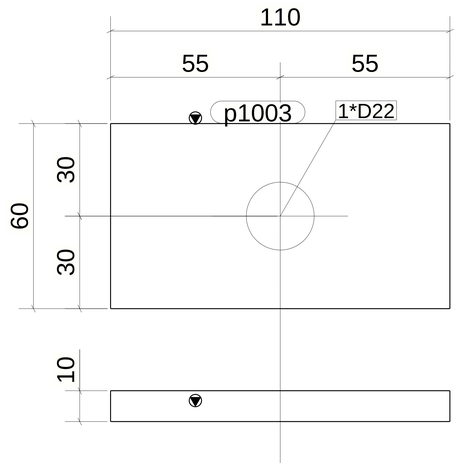
QTY.	Mark
8	p1003

approval is subject to approval of coordination package between multi-discipline

REVIEWED WITH COMMENT
MONORAILS PROJECT

MATERIAL LIST FOR ASSEMBLY MK'Dp1003

Mark	Profile	GRADE	No.	Length	Area	Weight
p1003	PL10*60	S355JR	1	110	0.02	0.52
				Total	0.02	0.52



8 *REQUIRED AS DRAWN MARKED* p1003

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority — Hill International Consultant — Main Contractor — Structural Designer

KEY PLAN:

6 October Monorail
Engineering Unit
Valid For Construction

SCALE: AS SHOWN | SHOPDRAWING | DATE: 28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
PLATE : p-4

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93	M047	3ACC	60L01	DWG	30201	B

Data Structures

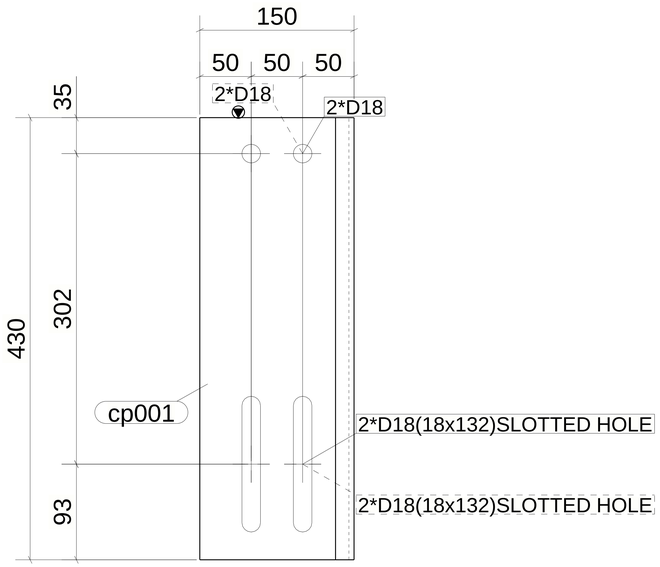
QTY.	Mark
1	cp001

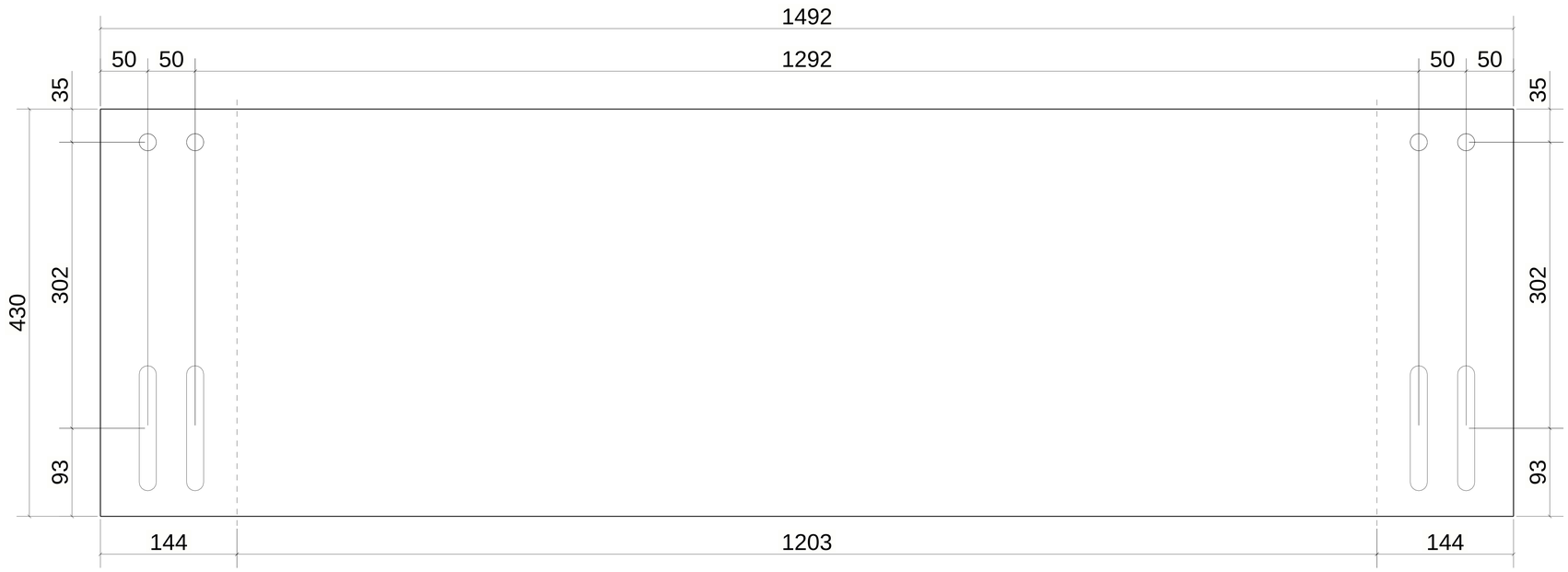
approval is subject to approval of coordination package between multi-discipline

REVIEWED WITH COMMENT
MONORAILS PROJECT

MATERIAL LIST FOR ASSEMBLY MK'Dcp001

Mark	Profile	GRADE	No.	Length	Area	Weight
cp001	CHQD5*430	S235JR	1	1492	1.30	26.42
				Total	1.30	26.42





UNFOLDED VIEW

1 *REQUIRED AS DRAWN MARKED* cp001

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority — Consultant — Main Contractor — Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
JOINT COVER PLATE : p-5

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	3020	2 B

Tekla Structures

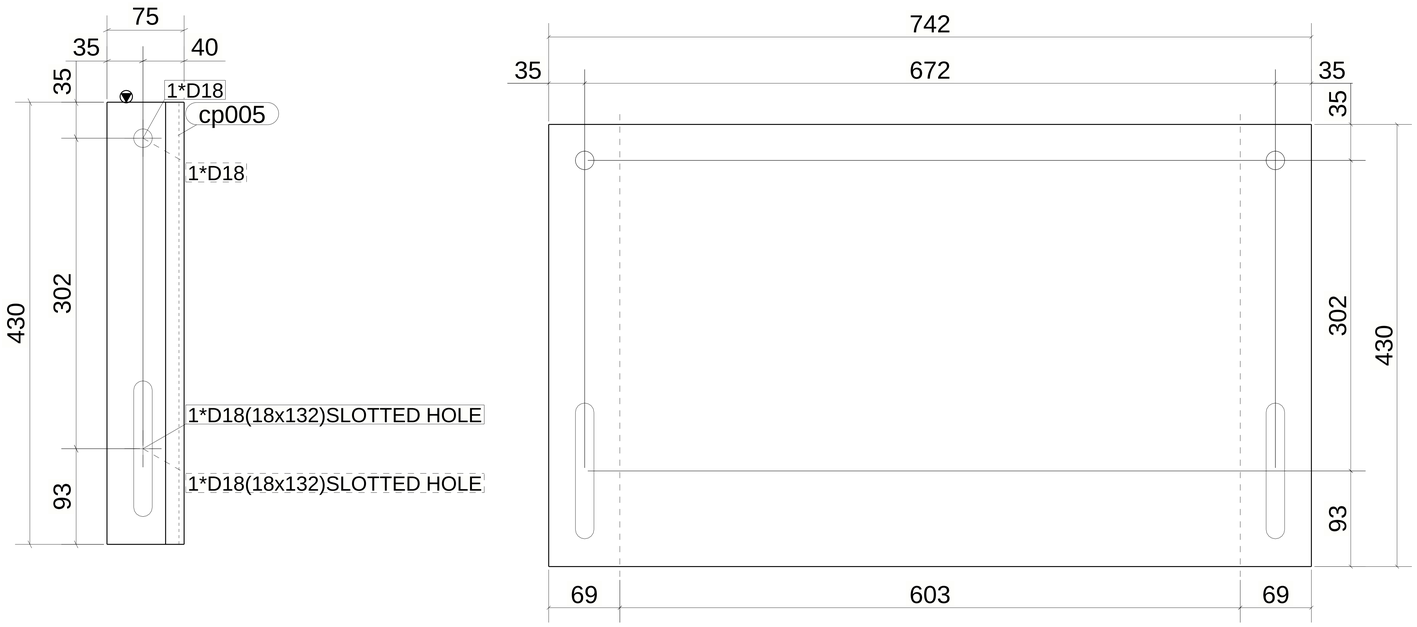
QTY.	Mark
2	cp005

MATERIAL LIST FOR ASSEMBLY MK'Dcp005

Mark	Profile	GRADE	No.	Length	Area	Weight
cp005	CHQD5*430	S235JR	1	742	0.65	13.12
				Total	0.65	13.12

approval is subject to approval of coordination package between multi-discipline

REVIEWED WITH COMMENT MONORAILS PROJECT



UNFOLDED VIEW

2 *REQUIRED AS DRAWN MARKED* cp005

6 October Monorail Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Hill International Consultant | ORASCOM BOMBARDIER Main Contractor | INNOVA TRANSPORTATION Structural Designer

KEY PLAN:

SCALE	SHOPDRAWING	DATE
AS SHOWN		28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
JOINT COVER PLATE : p-6

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30203	B

Tekla Structures

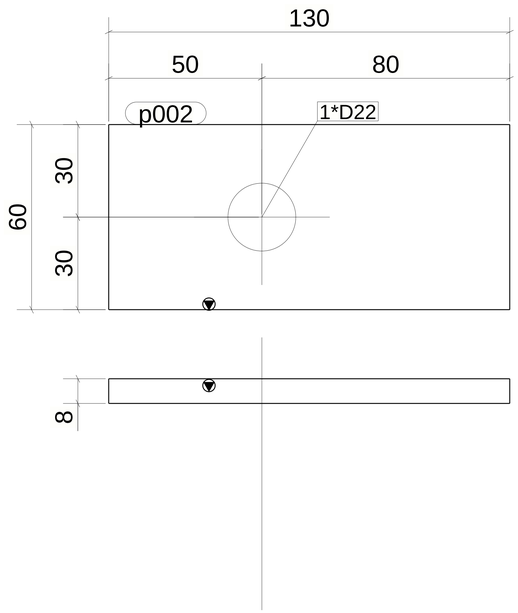
QTY.	Mark
196	p002

approval is subject to approval of coordination package between multi-discipline

REVIEWED WITH COMMENT
MONORAILS PROJECT

MATERIAL LIST FOR ASSEMBLY MK'Dp002

Mark	Profile	GRADE	No.	Length	Area	Weight
p002	PL8*60	S355JR	1	130	0.02	0.49
				Total	0.02	0.49



196 *REQUIRED AS DRAWN MARKED* p002

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
3	
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority | Consultant: Hill International | Main Contractor: ORASCOM CONSTRUCTION / BOMBARDIER | Structural Designer: INNOVA TRANSPORTATION

KEY PLAN:

SCALE: AS SHOWN | SHOPDRAWING | DATE: 28.04.2024

REV.	DATE	DSG.	CHK.	APP.	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
PLATE : p-9

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93	M04	73	ACC60	L01	DWG302	04 B

Delta Structures

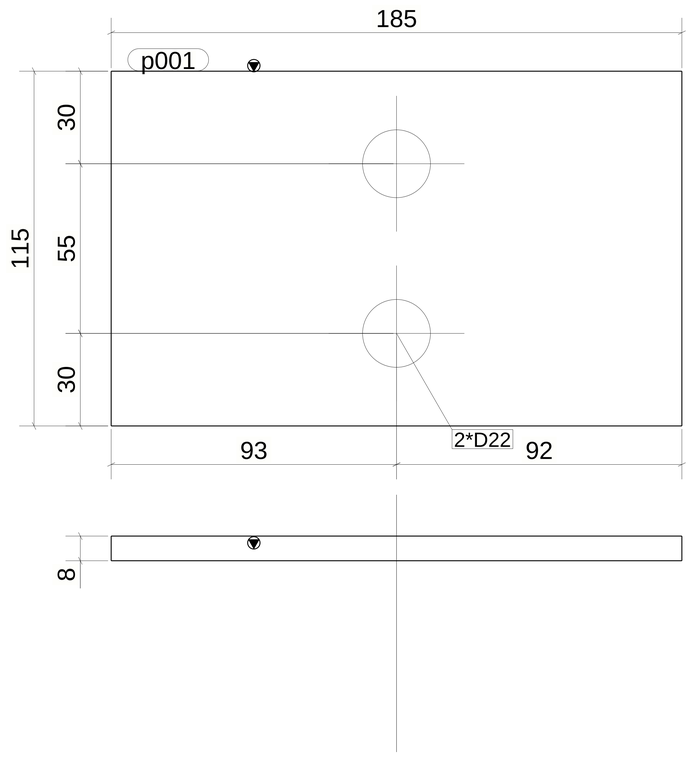
QTY.	Mark
98	p001

approval is subject to approval of coordination package between multi-discipline

REVIEWED WITH COMMENT
MONORAILS PROJECT

MATERIAL LIST FOR ASSEMBLY MK'Dp001

Mark	Profile	GRADE	No.	Length	Area	Weight
p001	PL8*115	S355JR	1	185	0.05	1.34
				Total	0.05	1.34



98 *REQUIRED AS DRAWN MARKED* p001

6 October Monorail
Engineering Unit
Valid For Construction

GENERAL NOTES:

1. THE DIMENSIONS SHOWN ARE NOMINAL (IN MILLIMETERS), U.N.O.
2. WELD SIZESHALL BE AISC MINIMUM OF 6 mm UNLESS NOTED OTHERWISE.
3. ALL FIELD WELDS SHALL BE INSPECTED PER QUALITY ASSURANCE AND SPECIAL INSPECTIONS.

REFERENCE DRAWINGS

1	93M-BOA-NAT-LOT-02755
2	93M-BOA-NAT-LOT-19653
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6TH OF OCTOBER CITY RAIL TRANSIT MONORAIL

The Authority — Hill International Consultant — Main Contractor — Structural Designer

KEY PLAN:

SCALE: AS SHOWN | SHOPDRAWING | DATE: 28.04.2024

REV	DATE	DSG	CHK	APP	AMENDMENTS	STATUS
B	28.04.2024	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI
A	02.10.2022	A.N	M.M	B.K	ISSUED FOR INFORMATION	IFI

DRAWING TITLE
6TH OF OCTOBER MONORAIL
SHOP DRAWING FOR LINE SEGMENT (L01)
CANTILEVER
PLATE : p-10

Project Code	Rubric	Initiator	Lot	Ref	Number	Revision
93M	0473	ACC	60L01	DWG	30205	A

Track Structures